

## REMARKS

Claims 3, 4, 8, 9, 13-17, 19, 34-36, and 38-44 are pending and stand rejected. Claims 4, 36, 38 and 41 have been amended. Claims 45-47 are added. Reconsideration and allowance of Claims 3, 4, 8, 9, 13-17, 19, 34-36, and 38-47 in view of the above amendments and the following remarks is respectfully requested.

### Summary of Record of Interview

In a teleconference with the Examiner, the Examiner has indicated that a typographical error was made in paragraph 6 of the Office Action in that the reference U.S. Patent No. 5,955,509 by Webber et al. (Webber) was inadvertently added when it was not used in the rejections. The pending claims do not stand rejected in view of the Webber reference.

### The Rejection of Claims 4 and 38-44 under 35 U.S.C. § 112, Second Paragraph

Claims 4 and 38-44 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Withdrawal of the rejection is respectfully requested for the following reasons.

Claim 4 relates to a composition including a hydrophobic conjugate having a hydrophobic component, wherein the hydrophobic component is a synthetic hydrophobic polymer, naturally derived polymer, a membrane disruptive peptide, or a phospholipid bilayer disrupting agent.

Claim 38 relates to a water soluble conjugate including a hydrophobic synthetic vinyl-type polymer, a plurality of pendant hydrophilic polyalkylene oxide components, and a plurality of pH-sensitive linkages. Claims 39 and 40 depend from Claim 38.

Claim 41 relates to a composition including a water-soluble hydrophilic conjugate comprising a hydrophobic synthetic vinyl-type polymer, a plurality of pendant hydrophilic polyalkylene oxide components; and a plurality of pH-sensitive linkages. Claim 42, 43, and 44 depend from Claim 41.

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The Examiner considers the terms "*vinyl-type hydrophobic polymer*" and "*non-vinyl-type hydrophobic polymer*" in Claim 4, "*vinyl-type polymer*" in Claims 38 and 39, and "*vinyl-type polymer*" in Claims 41 and 42 vague and indefinite. The Examiner is of the opinion that the addition of the word "*type*" to an otherwise definite expression extends the scope of the expression so as to render the claims indefinite. Applicants respectfully disagree.

According to MPEP 2173.02, titled "Clarity and Precision," definiteness of claim language must be analyzed, not in a vacuum, but in light of:

- (A) The content of the particular application disclosure;
- (B) The teachings of the prior art; and
- (C) The claim interpretation that would be given by one possessing the ordinary level of skill in the pertinent art at the time the invention was made.

The disclosure of the application supports the term "*vinyl-type*" and "*non-vinyl-type*." In the section titled "Synthetic vinyl-type cationic/hydrophobic polymers and their hydrophilic derivatives that become hydrophobic at the pH of the endosome (page 12, line 23 - page 13, line 2), applicants provide a detailed description of vinyl-type polymers useful in the invention. For example, applicants have cited several publications that report vinyl-type polymers (page 11, lines 11-23). In addition, on page 12, lines 5-16, applicants have listed the monomers for use in preparing the vinyl type polymers in the invention including vinyl imidazole, vinyl pyridine, vinyl formamide or acetamide, vinyl aniline, and vinyl pyrrolidone, among others. Applicants believe that sufficient disclosure in defining the invention has been provided.

Furthermore, the term "*vinyl-type*" is a well-established term in the prior art, and a person skilled in the art understands the term. The term "*vinyl-type*" is widely used in the field of polymers. A search in the Lexis database ([www.lexis.com](http://www.lexis.com)) reveals that there are 580 issued U.S. patents that include the term "*vinyl type polymer*." A printout of the search report is

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attached as **Exhibit A**. The term has been used in describing a variety of inventions including medical, chemical, pharmaceutical, cosmetic fields, electronics, printing technology, adhesives, and dyes. Therefore, from the record established by the U.S. Patent and Trademark Office alone, it is clear that the term "vinyl-type" is well known, well understood, and commonly used in the field of polymers.

The Examiner's rejection of Claims 4 and 38-44 is inconsistent with the established position by the U.S. Patent and Trademark Office. A further search in the Lexis database indicates that there are 34 issued U.S. patent that have used a term containing "vinyl-type" in their claims. In these 34 patents, the U.S. Patent and Trademark Office has determined that the use of the term "*vinyl-type*" satisfies the requirements of 35 U.S.C. § 112, second paragraph. A printout of the search report is attached as **Exhibit B**. For example, the Examiner's attention is drawn to U.S. Patent No. 6,593,052, entitled "Toner, image forming method and process cartridge," in which the term "vinyl-type polymer" is in Claim 1, 42 and 46; U.S. Patent No. 6,643,093, entitled "Magnetic recording device with improved reliability," in which the term "vinyl-type polymers" is in Claim 16; U.S. Patent No. 6,277,491, entitled "Expandable thermoplastic resin beads and molded foam made from the same," in which the term "vinyl-type polymer" is in Claims 1, 2, 3 and 5. Accordingly, the position set forth by the Examiner in rejection of Claims 4 and 38-44 under 35 U.S.C. § 112, second paragraph, is contrary to the established position of the U.S. Patent and Trademark Office.

For the reasons noted above, applicants respectfully submit that Claims 4 and 38-44 are definite and satisfy the requirement of 35 U.S.C. § 112, second paragraph. Withdrawal of the rejection on this ground is respectfully requested.

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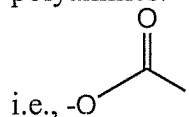
The Rejection of Claims 3, 4, 8, 14, 15, 19, and 34-36 under 35 U.S.C. § 102/§ 103(a)

Claims 3, 4, 8, 14, 15, 19, and 34-36 are rejected under 35 U.S.C. § 102(b) as being anticipated by or, in the alternative, under 35 U.S.C. § 103(a) as being obvious over Vinogradov et al. (*Bioconjugate Chem.*, 1998, 9(6), 805-812) (Vinogradov).

Claim 36 is an independent claim. Claims 3, 4, 8, 14, 15, 19, 34 and 35 depend from Claim 36.

As amended, Claim 36 recites a composition for enhancing transport through a membrane, including a water soluble hydrophilic conjugate having a hydrophobic component linked to a hydrophilic component by a pH-sensitive linkage. The pH-sensitive linkage is stable at a pH between 6.8 and 8 and hydrolyzed at a pH less than 6.5 to release the hydrophobic component. The hydrophilic component includes a polyalkylene oxide, and the hydrophobic component is a vinyl-type polymer that is membrane disruptive and allows enhanced transport through a membrane when released from the hydrophilic conjugate.

The Vinogradov reference teaches cationic copolymers for DNA delivery by conjugating poly(ethylene glycol) (PEG) and polyamines: polyspermine (PSP) and polyethyleneimine (PEI). The cationic copolymers comprises the conjugate of poly(ethylene glycol) (PEG) and polyamines. The PEG and the polyamines are linked through a carbamate linker,

i.e.,  (—NH—COO—). The cationic copolymers are complexed to antisense oligonucleotides (PS-ODNs). The Examiner is of the opinion that the carbamate linker of the

Vinogradov reference meets the limitation of the claimed pH sensitive linker, and that polyspermine (PSP) and polyethyleneimine (PEI) meet the limitation of the claimed hydrophobic component. The Examiner concludes that the claimed invention appears to be the same as or an obvious variant of the reference teachings. Applicants respectfully disagree.

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The Vinogradov reference does not anticipate the claimed invention because the reference does not teach all the elements of the claimed invention. Claim 36 has been amended to clarify that the hydrophobic component of the hydrophilic conjugate is a vinyl-type polymer. The hydrophobic components disclosed by the Vinogradov reference are polyspermine (PSP) and polyethyleneimine (PEI). Neither is a vinyl type polymer. Because the reference fails to disclose all the elements of the claimed invention, the reference is not anticipatory. Withdrawal of the rejection on this ground is respectful requested.

Furthermore, the invention as now claimed is non-obvious in view of the cited reference because the reference fails to teach or suggest all the claim limitations. See MPEP 706.02(j). First, the cited reference fails to teach or suggest a conjugate having a hydrophobic component that is a vinyl-type polymer, as in the claimed invention.

Further, the Vinogradov reference fails to provide any suggestion or motivation to arrive at the claimed invention. The reference teaches the conjugation of poly(ethylene glycol) and polyamine (PSP and PEI) for DNA delivery. There is no suggestion or teaching in the reference to conjugate PEG to any other polymers.

Because the reference fails to teach, suggest, provide any motivation to make, or otherwise render obvious the invention as now claimed, the claimed invention is nonobvious and patentable over the reference. Withdrawal of this ground for rejection is respectfully requested.

The Rejection of Claims 3, 4, 8, 9, 13-17, 34-36, 38, 40, 41,

43 and 44 under 35 U.S.C. § 102(b)/§ 103(a)

Claims 3, 4, 8, 9, 13-17, 34-36, 38, 40, 41, 43 and 44 are rejected under 35 U.S.C. § 102(b) as being anticipated by or, in the alternative, under 35 U.S.C. §103(a) as being obvious over Nair et al. (U.S. Patent No. 5,078,994) (Nair). Withdrawal of the rejection is respectfully requested for the following reasons.

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Claim 36 is an independent claim. Claims 3, 4, 8, 9, 13-17, 34 and 35 depend from Claim 36.

As amended, Claim 36 recites a composition including a water-soluble hydrophilic conjugate having a hydrophobic component linked to a hydrophilic component by a pH-sensitive linkage, and the hydrophobic component is membrane disruptive.

As amended, Claim 38 relates to a water-soluble conjugate, comprising a hydrophobic synthetic vinyl-type polymer, which is endosomal membrane disruptive when released from the conjugate, linked through pH-sensitive linkages to hydrophilic polyalkylene oxide components. Claims 39 and 40 depend from Claim 38.

As amended, Claim 41 relates to a composition, comprising a water-soluble hydrophilic conjugate comprising a therapeutic or diagnostic agent and a hydrophobic synthetic vinyl-type polymer, which is endosomal membrane disruptive when released from the conjugate, linked through pH-sensitive linkages to pendant hydrophilic alkylene oxide components. Claims 43 and 44 depend from Claim 41.

The Nair reference teaches a copolymer microgel that is derived from free carboxylic acid group-containing vinyl monomers, monomers having a poly(alkylene oxide) appended thereto, oleophilic monomers, and other nonionic hydrophilic monomers. The reference further discloses pharmaceutical and diagnostic compositions comprising a therapeutic or diagnostic agent and the copolymer microgel. The Nair reference discloses that the attachment between the vinyl monomers and poly(alkylene oxide) is an ester link (column 5, lines 5-11), and that the therapeutic agent is chemically bonded to the copolymers and can be released from the pharmaceutical composition after being administrated to a host mammal (column 5, lines 34-37 and 60-66).

According to the Examiner, the claimed invention differs from the prior art teachings only by the recitation of the limitations that "the pH-sensitive linkage is stable at a pH-between 6.8 and 8 and hydrolyzed at a pH less than 6.5 to release the hydrophobic component," and the limitation that "the hydrophobic component is membrane disruptive and allows enhanced transport through a membrane only when released from the hydrophilic conjugate." Because the ester bond in the reference meets all the structural limitation of the claimed pH-sensitive linkage and the hydrophobic component of the Nair reference meets all the structural limitation of the claimed hydrophobic component, the Examiner concludes that the claimed invention appears to be the same as or an obvious variant of the reference teachings. Applicants respectfully disagree.

1. The Nair reference does not anticipate the invention as now claimed.

As now amended, Claims 36, 38 and 41 recite that the conjugate is water soluble. The support for the amendment can be found in the application as originally filed. At page 6, lines 7-10, the application states that "the membrane disruptive agent is coupled to hydrophilic groups in an amount effective to make the polymer soluble in an aqueous solution and allow passage through the cell wall of the polymer." In contrast, the Nair reference specifies that the "microgel" is either uncrosslinked, insoluble, but water-swellaable particles or crosslinked, insoluble swellaable particles (column 4, line 66-68).

Therefore, whereas the claimed invention provides a water-soluble conjugate, the Nair reference discloses a water-insoluble microparticle/microgel. Because the Nair reference fails to exactly describe the claimed invention, the reference is not anticipatory. Withdrawal of the rejection is respectfully requested.

2. The Nair reference does not render obvious the invention as now claimed.

The Nair reference discloses a microgel polymer particle useful in drug delivery. The reference identifies the problem of using a microsphere drug delivery system as the adsorption of

certain blood proteins onto the surfaces of the microsphere "results in the uptake of the particles by macrophages and their rapid clearance from blood by the RES" (column 1, lines 44-47). The reference solves the problem by incorporating polyethylene oxide molecules into the polymer particle rationalizing that "[p]olyethylene oxide (PEO) has been found to be an effective polymer to attach to a film surface for producing low protein adsorption and low cell adhesion characteristics" (column 2, lines 9-12). As a solution to the problem, the reference discloses the microgel that is insoluble even though water swellable (column 4, lines 66-68). In contrast, the claimed invention relates to acid-sensitive polymers for intracellular drug delivery. In the claimed invention, polyethylene oxide is linked to a hydrophobic backbone to solubilize the conjugate and shield the membrane disruptive backbone. Once the conjugate reaches an acidic surrounding, such as inside the endosome, the pH-sensitive linkage breaks releasing the membrane disruptive backbone, which then disrupts the endosome membrane releasing the therapeutic or diagnostic agent to the cytosol. Therefore, the Nair reference addresses a different problem than the claimed invention, and the solution to the problem, a water-insoluble, water-swellable microgel, is wholly different from the water-soluble conjugate of the claimed invention.

Because the Nair reference fails to teach, suggest, provide any motivation to make, or otherwise render obvious the invention as now claimed, the claimed invention is nonobvious in view of the reference. Withdrawal of the rejection on this ground is respectfully requested.

#### New Claims 45-47

Claims 45 and 46 depend from Claim 36. Claim 45 is directed to the composition of Claim 36 wherein the hydrophobic component comprises a random, block, or graft copolymer, and the copolymer comprises an alkyl substituted or unsubstituted acrylate group. Claim 46 is directed to the composition of Claim 36 wherein the hydrophobic component comprises

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poly(ethylacrylic acid), poly(propylacrylic acid), poly(butylacrylic acid), or acrylic acid polymer or copolymer.

Independent Claim 47 has been added. Claim 47 relates to a composition for enhancing transport through a membrane, comprising a hydrophilic conjugate having a hydrophobic component linked to a hydrophilic component by a pH-sensitive linkage, wherein the pH-sensitive linkage is stable at a pH between 6.8 and 8 and hydrolyzed at a pH less than 6.5 to release the hydrophobic component, the hydrophilic component comprises a polyalkylene oxide, the hydrophobic component comprising a random, block, or graft copolymer, the copolymer comprises alkyl substituted or unsubstituted acrylate groups, and the hydrophobic component is membrane disruptive and allows enhanced transport through a membrane when released from the hydrophilic conjugate.

Support for Claims 45-47 can be found through out the application as originally filed.

#### CONCLUSION

In view of the above amendments and foregoing remarks, applicants believe that Claims 3, 4, 8, 9, 13-17, 19, 34-36, and 38-47 are in condition for allowance. If any issues remain that may be expeditiously addressed in a telephone interview, the Examiner is encouraged to telephone applicants' attorney at 206.695.1755.

Respectfully submitted,

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# **EXHIBIT A**

1. 7078152 , July 18, 2006 , Lithographic printing with printing members having plasma polymer layers, Rondon, Sonia - Andover, Massachusetts, United States (US); Lanphear, Susan J. - Henniker, New Hampshire, United States (US), 839646 (10), Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02) ... but are not limited to, vinyl-type polymers (e.g., polyvinyl alcohol) polyurethanes, ...  
... in combination with a vinyl-type polymer. [0054]Suitable IR- ...

2. 7074688 , July 11, 2006 , Method of making an electrode for an electrochemical capacitor and the method of making an electrochemical capacitor, Kurihara, Masato - Tokyo, Japan (JP); Maruyama, Satoshi - Tokyo, Japan (JP), 877997 (10), December 6, 2004 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., TDK CORPORATION 1-13-1, NIHONBASHI, CHUO-KU TOKYO 103-8272 , Reel and Frame Number: 015430/0125, TDK Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... type resins, linear vinyl type polymers such as polyvinylidene chloride ( ...

3. 7056644 , June 6, 2006 , Producing method of photosensitive planographic printing plate and printing plate produced thereby, Hirabayashi, Kazuhiko - Kanagawa, Japan (JP), 828081 (10), April 20, 2004 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA MINOLTA MEDICAL & GRAPHIC INC. 26-2 NISHISHINJUKU 1-CHOME SHINJUKU-KU, TOKYO 163-0512, Reel and Frame Number: 015240/0237, Konica Minolta Medical & Graphic, Inc., Japan (JP), Foreign company or corporation (03)  
... binder, preferable is a vinyl type polymer prepared by co- ...

4. 7005513 , February 28, 2006 , Functionalized glycosaminoglycan polymer and medical instruments and drugs by using the same, Yura, Hirofumi - Kawasaki, Japan (JP); Saito, Yoshio - Yokohama, Japan (JP); Ishihara, Masayuki - Tachikawa, Japan (JP); Ono, Katsuaki - Tokorozawa, Japan (JP); Ishikawa, Keiichi - Tokorozawa, Japan (JP), 937991 (09), January 23, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NETECH, INC. TAKATSU-KU, KAWASAKI-SHI KANAGAWA 213-0012, Reel and Frame Number: 012543/0791, Netech, Inc., Kanagawa, Japan (JP), Foreign company or corporation (03)  
... glycosaminoglycan introduced into a vinyl-type polymer chain.

5. 6905808 , June 14, 2005 , Color toner, and full-color image forming method, Itakura, Takayuki - Shizuoka, Japan (JP); Kotaki, Takaaki - Shizuoka, Japan (JP); Kaya, Takaaki - Shizuoka, Japan (JP); Hayami, Kazuhiko - Shizuoka, Japan (JP); Komatsu, Nozomu - Shizuoka, Japan (JP), 345483 (10), May 21, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 3-30-2, SHIMOMARUKO, OHTA-KU TOKYO , Reel and Frame Number: 014088/0334, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... separately producing a vinyl-type polymer unit and a polyester ...  
... method of producing a vinyl-type polymer unit and thereafter producing ...  
... component in the presence of the vinyl-type polymer unit. The hybrid resin is produced by reacting the vinyl-type polymer unit (a vinyl- ...  
... a vinyl monomer and/or the vinyl-type polymer unit. (4) A vinyl-type polymer unit and a polyester ...  
... reaction to produce a vinyl-type polymer unit and polyester unit. ...  
... reaction continuously and produce vinyl-type polymer units, polyester units and ...  
... be used as the vinyl-type polymer unit and/or the polyester unit. ...

6. 6902780 , June 7, 2005 , Coating composition comprising colloidal silica and glossy ink jet recording sheets prepared therefrom, Fruge, Daniel Ray - Wilmington, Delaware, United States (US); Michos, Demetrius - Clarksville, Maryland, United States (US), 391286 (10), April 12, 2005 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., W.R. GRACE & CO-CONN. 7500 GRACE DRIVE COLUMBIA MARYLAND 21044-4098, Reel and Frame Number: 016447/0293, W. R. Grace & Co.-Conn, Columbia, Maryland, United States (US), United States company or corporation (02)  
... latex such as a vinyl-type polymer latex such as an ethylene- ...

7. 6899821 , May 31, 2005 , Abrasive liquid for metal and method for polishing, Uchida, Takeshi - Tsukuba, Japan (JP); Matsuzawa, Jun - Hitachi, Japan (JP); Hoshino, Tetsuya - Tsukuba, Japan (JP); Kamigata, Yasuo - Tsukuba, Japan (JP); Terazaki, Hiroki - Tsukuba, Japan (JP); Honma, Yoshio - Kokubunji, Japan (JP); Kondoh, Seiichi - Kokubunji,

Japan (JP), 976001 (09), Hitachi Chemical Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
Hitachi, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... polyamide and polyglyoxylic acid; vinyl type polymers such as polyvinyl alcohol, ...

8. 6897000 , May 24, 2005 , Charge controlling agent, method for producing the same and toner for developing electrostatic image, Otani, Shinji - Ibaraki, Japan (JP); Suzuki, Noriyuki - Ibaraki, Japan (JP); Otsuka, Hideyuki - Ibaraki, Japan (JP); Anzai, Mitsutoshi - Kanagawa, Japan (JP), 296207 (10), September 16, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KU KAWASAKI-SHI, KANAGAWA 212-8588, Reel and Frame Number: 014503/0578, Hodogaya Chemical Co., Ltd., Kawasaki, Japan (JP), Foreign company or corporation (03)  
... monomer constituting a vinyl type polymer unit include styrene and its ...  
... present invention, a vinyl type polymer unit of a binder ...  
... butylperoxyazolate, and the like. A vinyl type polymer has preferably a glass ...  
... weight of from 15,000 to 3,000,000. The vinyl type polymer has preferably an OH value of at ...  
... polyester type polymer or the vinyl type polymer has preferably an acid value of from ...

9. 6896942 , May 24, 2005 , Coating composition comprising colloidal silica and glossy ink jet recording sheets prepared therefrom, Fruge, Daniel Ray - Wilmington, Delaware, United States (US); Michos, Demetrius - Clarksville, Maryland, United States (US), 391270 (10), April 1, 2005 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., W.R. GRACE & CO.-CONN. 7500 GRACE DRIVE COLUMBIA MARYLAND 21044-4098, Reel and Frame Number: 016419/0373, W. R. Grace & Co. -Conn., Columbia, Maryland, United States (US), United States company or corporation (02)  
... latex such as a vinyl-type polymer latex such as an ethylene- ...

10. 6896825 , May 24, 2005 , Abrasive liquid for metal and method for polishing, Uchida, Takeshi - Tsukuba, Japan (JP); Matsuzawa, Jun - Hitachi, Japan (JP); Hoshino, Tetsuya - Tsukuba, Japan (JP); Kamigata, Yasuo - Tsukuba, Japan (JP); Terazaki, Hiroki - Tsukuba, Japan (JP); Honma, Yoshio - Kokubunji, Japan (JP); Kondoh, Seiichi - Kokubunji, Japan (JP), 763891 (09), June 11, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HITACHI CHEMICAL COMPANY, LTD. TOKYO, Reel and Frame Number: 011924/0909, Hitachi Chemical Company, LTD, Tokyo, Japan (JP), Foreign company or corporation (03) Hitachi, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... polyglyoxylic acid; [0053]vinyl type polymers such as polyvinyl alcohol, ...

11. 6893691 , May 17, 2005 , Coating composition comprising colloidal silica and glossy ink jet recording sheets prepared therefrom, Fruge, Daniel Ray - Wilmington, Delaware, United States (US); Michos, Demetrius - Clarksville, Maryland, United States (US), 391287 (10), April 1, 2005 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., W.R. GRACE & CO.-CONN. 7500 GRACE DRIVE COLUMBIA MARYLAND 21044-4098, Reel and Frame Number: 016431/0552, W. R. Grace & Co.-Conn., Columbia, Maryland, United States (US), United States company or corporation (02)  
... acid ester; a vinyl-type polymer latex such as an ethylene- ...

12. 6864302 , March 8, 2005 , Ink jet recording method and ink set therefor, Miyabayashi, Toshiyuki - Nagano-ken, Japan (JP), 952033 (09), December 18, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SEIKO EPSON CORPORATION SHINJUKU-KU, TOKYO, Reel and Frame Number: 012374/0374, Seiko Epson Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... polymer include a vinyl-type polymer, a poly(meth) ...

13. 6780934 , August 24, 2004 , Room temperature-setting composition, Doi, Takao - Yokohama, Japan (JP); Watabe, Takashi - Yokohama, Japan (JP); Matsumoto, Tomoko - Yokohama, Japan (JP); Onoguchi, Tatsuo - Yokohama, Japan (JP); Tsuruoka, Kaori - Yokohama, Japan (JP), 230182 (10), Asahi Glass Company Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... epoxy resin, a vinyl type polymer containing an epoxy resin or an ...

14. 6774183 , August 10, 2004 , Copolyesters having improved retained adhesion, Palumbo, Jeffrey T. - Bedford, Massachusetts, United States (US); Rossitto, Francis C. - Danvers, Massachusetts, United States (US); Sommerfeld,



Eugene Gary - Danvers, Massachusetts, United States (US), 559794 (09), April 27, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BOSTIK, INC. 211 BOSTON STREETMIDDLETON, MASSACHUSETTS, 01949, Reel and Frame Number: 010760/0332, Bostik, Inc., Middleton, Massachusetts, United States (US), United States company or corporation (02)  
... PET, PEN, polyolefins, vinyl-type-polymers (Tedlar[R], Kynar[ ...  
... PET, PEN, polyolefins, vinyl-type polymers (Tedlar[R], Kynar[ ...

15. 6740409 , May 25, 2004 , Polymer films, Granick, Steve - Champaign, Illinois, United States (US); Sukhishvili, Svetlana A. - Maplewood, New Jersey, United States (US), 715870 (09), June 4, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BOARD OF TRUSTEES OF UNIVERSITY OF ILLINOIS 506 S. WRIGHT 352 HENRY ADMINISTRATION BUILDINGURBANA, ILLINOIS, 71801, Reel and Frame Number: 011872/0455, Board of Trustees of University of Illinois, Urbana, Illinois, United States (US), United States company or corporation (02) , September 2, 2004 - LICENSE (SEE DOCUMENT FOR DETAILS)., UNITED STATES DEPARTMENT OF ENERGY 1000 INDEPENDENCE AVENUEWASHINGTON, DISTRICT OF COLUMBIA, 20585, Reel and Frame Number: 015753/0124  
... between synthetic polynucleotides or vinyl-type polymers containing nucleic acid ...

16. 6720091 , April 13, 2004 , Polymeric fluorescent substance, polymeric fluorescent substance and polymer light-emitting device using the same, Ohnishi, Toshihiro - Tsukuba, Japan (JP); Noguchi, Takanobu - Tsukuba, Japan (JP); Tsubata, Yoshiaki - Tsukuba, Japan (JP); Ueda, Masato - Tsukuba, Japan (JP); Sasaki, Shigeru - Tsukuba, Japan (JP), 808028 (09), August 28, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SUMITOMO CHEMICAL COMPANY, LIMITED 5-33, KITAHAMA 4-CHOMECHUO-KU, OSAKA, (1), Reel and Frame Number: 012116/0052, Sumitomo Chemical Company, Limited, Osaka, Japan (JP), Foreign company or corporation (03)  
... describes that, when using a vinyl type polymer as a luminescence ...

17. 6716569 , April 6, 2004 , Preparation method for lithographic printing plate, Hotta, Hisashi - Shizuoka-Ken, Japan (JP); Sakamoto, Atsushi - Shizuoka-Ken, Japan (JP), 897028 (09), July 3, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. MINAMI ASHIGARA-SHI NO. 210, NAKANUMAKANAGAWA, (1), Reel and Frame Number: 011960/0485, Fuji Photo Film Co., Ltd., Minami-Ashigara, (), Foreign company or corporation (03)  
... a main structure, vinyl type polymer such as acrylic resin, ...  
... more preferable polymers are vinyl type polymers having as a main ...

18. 6649707 , November 18, 2003 , Blends and alloys of polycyclic polymers, Rhodes, Larry F. - Silverlake, Ohio, United States (US); Goodall, Brian L. - Akron, Ohio, United States (US); Mulhaupt, Rolf - Freiburg, Germany (DE); Shick, Robert A. - Strongsville, Ohio, United States (US); Benedikt, George M. - Solon, Ohio, United States (US); Jayaraman, Sai Kumar - Cuyahoga Falls, Ohio, United States (US); Soby, Lynn M. - Brecksville, Ohio, United States (US); McIntosh, III, Lester H. - Cuyahoga Falls, Ohio, United States (US), 679001 (09), December 2, 2002 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., GOODRICH CORPORATION 2730 WEST TYVOLA ROAD FOUR COLISEUM CENTRECHARLOTTE, NORTH CAROLINA, 28217-4578, Reel and Frame Number: 013542/0183 December 2, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SUMITOMO BAKELITE CO., LTD. 5-8 HIGASHI-SHINAGAWA 2-CHOME SHINAGAWA-KUTOKYO 140-0002, (1), Reel and Frame Number: 013542/0861, Sumitomo Bakelite Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... radical grafting of a vinyl-type polymer onto a non-functional ...  
... radical grafting of a vinyl-type polymer onto a PNB having pendant ...

19. 6643093 , November 4, 2003 , Magnetic recording device with improved reliability, Brown, Charles Allan - San Jose, California, United States (US); DiPietro, Richard Anthony - Campbell, California, United States (US); Karis, Thomas Edward - San Martin, California, United States (US); Wendt, Herman Russell - San Jose, California, United States (US); Wang, Run-Han - San Jose, California, United States (US), 051866 (10), January 15, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., INTERNATIONAL BUSINESS MACHINES CORPORATION NEW ORCHARD ROADARMONK, NEW YORK, 10504, Reel and Frame Number: 012518/0293, Hitachi Global Storage Technologies Netherlands, B.V., Amsterdam, Netherlands (NL), Foreign

company or corporation (03) , September 21, 2005 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V. LOCATELLIKADE 1 1076 AZ AMSTERDAM, Reel and Frame Number: 016824/0508

... polyamides, polyethers, and polyesters, or vinyl type polymers. In a preferred ...  
... holes or rivets. Alternatively, vinyl type polymers can be used. The ...  
... group consisting of polyolefin and vinyl type polymers. 17. The disk drive of ...

20. 6632904 , October 14, 2003 , Synthetic polymers having hydrogen bonding capability and containing polysiloxane moieties, Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Neenah, Wisconsin, United States (US); Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US), 778364 (09), Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)

... polyvinyl backbone. Almost any vinyl type polymer can be co- ...  
... be expected to incorporate into any vinyl type polymer such as a PAM, ...  
... polyacrylamide but is applicable to any vinyl type polymer. As such the siloxanes are arranged on the ...  
... groups on the polymer backbone. The vinyl type polymers, including the modified polyacrylamides, ...

21. 6627368 , September 30, 2003 , Organic metal complex compound and electrostatic image developing toner using the same, Okubo, Masaki - Koriyama, Japan (JP); Nanaumi, Hiroshi - Koriyama, Japan (JP); Sawano, Masataka - Koriyama, Japan (JP), 729940 (09), December 6, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KUKAWASAKI-SHI, KANAGAWA, (1), Reel and Frame Number: 011340/0899 March 7, 2001 - CORRECTIVE ASSIGNMENT TO CORRECT THE 3RD ASSIGNOR'S NAME, PREVIOUSLY RECORDED AT REEL 011340 FRAME 0899., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KUKANAGAWA, (1), Reel and Frame Number: 011572/0596 March 7, 2001 - CORRECTIVE ASSIGNMENT TO CORRECT THE 3RD ASSIGNOR S NAME, PREVIOUSLY RECORDED AT REEL 011340 FRAME 0899., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KUKANAGAWA, (1), Reel and Frame Number: 011572/0596 June 5, 2001 - CORRECTIVE TO CORRECT THE RECEIVING PARTY'S NAME ADDRESS PREVIOUSLY RECORDED ON REEL 011572, FRAME 0596 ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF THE ENTIRE INTEREST., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KUKAWASAKI-SHI, KANAGAWA, (1), Reel and Frame Number: 011867/0875 June 5, 2001 - CORRECTIVE TO CORRECT THE RECEIVING PARTY S NAME ADDRESS PREVIOUSLY RECORDED ON REEL 011572, FRAME 0596 ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF THE ENTIRE INTEREST., HODOGAYA CHEMICAL CO., LTD. 66-2, HORIKAWA-CHO, SAIWAI-KUKAWASAKI-SHI, KANAGAWA, (1), Reel and Frame Number: 011867/0875, Hodagaya Chemical Co., Ltd., Kawasaki, Japan (JP), Foreign company or corporation (03)

... monomer constituting a vinyl type polymer unit include styrene and its ...  
... present invention, a vinyl type polymer unit of a binder ...  
... butylperoxyazolate, and the like. A vinyl type polymer has preferably a glass ...  
... weight of from 15,000 to 3,000,000. The vinyl type polymer has preferably an OH value of at ...  
... polyester type polymer or the vinyl type polymer has preferably an acid value of from ...

22. 6616946 , September 9, 2003 , Triblock copolymer hollow particles for agent delivery by permeability change, Meier, Wolfgang - Basel, Switzerland (CH); Sauer, Marc - Basel, Switzerland (CH), 713986 (09), November 15, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BIOCURE, INC. 2975 GATEWAY DRIVE, SUITE 100NORCROSS, GEORGIA, 30071, Reel and Frame Number: 011655/0010, BioCure, Inc., Norcross, Georgia, United States (US), United States company or corporation (02)  
... can yield bifunctional vinyl-type polymers such as polyNIPAAm or EO/ ...

23. 6610396 , August 26, 2003 , Resin molding product comprising electrophotographic toner and manufacturing method of same, Kimura, Satoshi - Nabari, Japan (JP); Itoh, Shoichi - Nara, Japan (JP); Ishii, Hiroshi - Osaka, Japan (JP), 874678 (09), September 17, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHARP KABUSHIKI KAISHA 22-22 NAGAIKE-CHO ABENO-KUOSAKA 545-8522, (1), Reel and Frame Number: 012176/0949, Sharp Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... resin, such as the aromatic vinyl-type polymer having the rubber property, is added ...

24. 6598526 , July 29, 2003 , Lithographic printing plates for use with laser imaging apparatus, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US), 046791 (10), June 5, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 55 EXECUTIVE DRIVE HUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 014125/0856, Presstek Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02) ... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...  
... itself or in combination with vinyl-type polymers provides a high ...

25. 6593052 , July 15, 2003 , Toner, image forming method and process cartridge, Yoshikawa, Junko - Ibaraki, Japan (JP); Mizoo, Yuichi - Ibaraki, Japan (JP); Matsunaga, Satoshi - Shizuoka, Japan (JP); Dojo, Tadashi - Shizuoka, Japan (JP); Shibayama, Nene - Shizuoka, Japan (JP); Kashiwabara, Ryota - Shizuoka, Japan (JP), 915331 (09), October 26, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA OHTA-KU 30-2, SHIMOMARUKO 3-CHOMETOKYO, (1), Reel and Frame Number: 012288/0613 April 15, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA OHTA-KU 30-2, SHIMOMARUKO 3-CHOMETOKYO, (1), Reel and Frame Number: 012634/0020, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... component containing a vinyl type polymer unit and a polyester ...  
... molecular weight and a vinyl type polymer having a specified structure and ...  
... component comprising a vinyl type polymer unit and a polyester ...  
... polyester unit and a vinyl type polymer unit as a ...  
... polyester unit and a vinyl type polymer unit. The existence of the hybrid ...  
... ester for a vinyl type polymer are shown in Table ...  
... for forming a vinyl type polymer unit includes styrene; ...  
... more of them to compose a vinyl type polymer unit. In the toner of the ...  
... toner of the present invention the vinyl type polymer unit of the hybrid resin ...  
... polyester unit. Those reactive with the vinyl type polymer unit among monomers ...  
... among the monomer composing the vinyl type polymer unit are carboxyl- or hydroxyl- ...  
... reaction products of a vinyl type polymer unit and a polyester ...  
... polymer units of the foregoing vinyl type polymer unit and polyester unit. The ...  
... in the case of producing the vinyl type polymer unit of the present invention ...  
... component containing the foregoing vinyl type polymer unit and polyester unit, it is ...  
... composition containing a vinyl type polymer and polyester resin additionally to the ...  
... hybrid resin component, the vinyl type polymer, and the polyester resin. (1) ...  
... by dissolving and swelling the vinyl type polymer and the polyester resin in ...  
... component in the presence of the vinyl type polymer unit after the vinyl type polymer unit production. The hybrid ...  
... produced by reaction of the vinyl type polymer unit (a vinyl ...  
... method for producing the vinyl type polymer unit and the hybrid resin ...  
... vinyl type monomer and/or the vinyl type polymer unit. Preferably, waxes are ...  
... by producing a vinyl type polymer unit and polyester unit and then ...  
... method for producing the vinyl type polymer unit and the polyester unit ...  
... method for producing the vinyl type polymer unit, the polyester unit, and the ...  
... be used as the vinyl type polymer unit and/or the polyester unit. ...  
... since the molecular weight of the vinyl type polymer unit can easily ...  
... copolymerization monomer of a vinyl type polymer unit and a resin ...  
... composed of polyester resin, the vinyl type polymer, and hybrid resin produced by the polyester unit and the vinyl type polymer unit bonded by ...  
... containing polyester resin, the vinyl type polymer, and hybrid resin composed of the polyester unit and the vinyl type polymer unit. The obtained resin ...  
... component containing a vinyl type polymer unit and a polyester ...  
... component comprising a vinyl type polymer unit and a polyester ...  
... component comprising a vinyl type polymer unit and a polyester ...

26. 6585986 , July 1, 2003 , Gelling agent and gel compositions, Matsuzaki, Fumiaki - Yokohama, Japan (JP); Yanaki, Toshio - Yokohama, Japan (JP), 759342 (09), June 18, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHISEIDO COMPANY, LTD. 5-5, GINZA 7-CHOME, CHUO-KUTOKYO, (1)104-

8, Reel and Frame Number: 011906/0542, Shiseido Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... polyethylene powder, porous vinyl-type polymer, acrylate copolymer and polymethylsilsesquioxane; ...

27. 6579936 , June 17, 2003 , Composition of polyarylenesulfide, epoxy resin and oxazoline polymer, Kawashima, Kiyotaka - Kishiwada, Japan (JP); Adachi, Tsuneyuki - Nara, Japan (JP), 362104 (09), October 8, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DAINIPPON INK AND CHEMICALS, INC. ITABASHI-KU 35-58, SAKASHITA 3-CHOMETOKYO, (1), Reel and Frame Number: 010294/0660, Dainippon Ink and Chemicals, Inc., Tokyo, Japan (JP), Foreign company or corporation (03)

... D), it is preferable to use vinyl-type polymers (d1) containing acid- or ...

... limitation, preferable examples of the vinyl-type polymers (d1) containing acid- or ...

... two compounds including the vinyl-type polymers (d1) containing acid- or ...

... acid-group containing vinyl-type polymers (d1), and acid-group ...

28. 6537716 , March 25, 2003 , Toner for developing electrostatic images and heat fixing method, Doi, Shinji - Kawasaki, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Kawakami, Hiroaki - Yokohama, Japan (JP); Fujiwara, Masatsugu - Yokohama, Japan (JP); Onuma, Tsutomu - Yokohama, Japan (JP), 760210 (08), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... linked polymer (a vinyl-type polymer) is used as a ...

29. 6537573 , March 25, 2003 , Combination dosage form comprising cetirizine and pseudoephedrine, Johnson, Barbara A. - Niantic, Connecticut, United States (US); Korsmeyer, Richard W. - Old Lyme, Connecticut, United States (US); Oksanen, Cynthia A. - Stonington, Connecticut, United States (US), 755791 (09), Pfizer Inc, New York, New York, United States (US), United States company or corporation (02)

... for example from olefin and vinyl type polymers, organosilicon polymers, polysulfones, ...

30. 6497178 , December 24, 2002 , Lithographic printing members having secondary non-ablative layers for use with laser imaging apparatus, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US); Dunley, Timothy J. - Springfield, Massachusetts, United States (US); Hodgins, George R. - Granby, Massachusetts, United States (US), 699669 (09), Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)

... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

31. 6490975 , December 10, 2002 , Infrared laser-imageable lithographic printing members and methods of preparing and imaging such printing members, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US); Dunley, Timothy J. - Springfield, Massachusetts, United States (US), 698802 (09), Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)

... layer. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

32. 6479207 , November 12, 2002 , Printing plate element and production method thereof, Mori, Takahiro - Hino, Japan (JP), 552178 (09), April 18, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2 NISHISHINJUKU 1-CHOMESHINJUKU-KU, TOKYO, 163, (1), Reel and Frame Number: 010755/0312, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... copolymer latex, a vinyl type polymer latex, polyacrylamide and polyvinyl- ...

33. 6472487 , October 29, 2002 , Modified vinyl polymers containing amphiphilic hydrocarbon moieties, Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Neenah, Wisconsin, United States (US); Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US), 855049 (09), Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)

... be expected to incorporate into any vinyl type polymer such as a PAM, ...

... groups on the polymer backbone. The vinyl type polymers, including the modified polyacrylamides, ...

34. 6451941 , September 17, 2002 , Inorganic dispersion stabilizer and process for producing resinous particles using the same, Urashima, Nobuaki - Nara, Japan (JP); Ikeda, Hayato - Nara, Japan (JP), 997299 (08), April 20, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO., LTD. CHUO-KU, OSAKA-SHI 1-1, KORAIBASHI 4-CHOME OSAKA-FU, (1), Reel and Frame Number: 009115/0975, Nippon Shokubai Co., Ltd., Osaka-fu, Japan (JP), Foreign company or corporation (03)

... polymers mentioned above, vinyl type polymers and copolymers forming a ...  
... double bond groups. The vinyl type polymers impose no particular ...  
... by the carbon black or vinyl type polymers (such as poly(meth) ...

35. 6436599 , August 20, 2002 , Toner, method of producing toner, and image forming method using toner, Matsuoka, Hirota - Minami-Ashigara, Japan (JP); Lee, Jong Won - Minami-Ashigara, Japan (JP); Suzuki, Isamu - Minami-Ashigara, Japan (JP), 902666 (09), Fuji Xerox Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... treatment as required, vinyl-type polymers, and zinc stearate may ...

36. 6419962 , July 16, 2002 , External skin treatment composition, Yokoyama, Mineyuki - Yokohama, Japan (JP); Tsukada, Hiroyuki - Yokohama, Japan (JP); Sakai, Tetsuya - Yokohama, Japan (JP); Yamaguchi, Shoko - Yokohama, Japan (JP); Suzuki, Yumiko - Yokohama, Japan (JP); Nakayama, Yasukazu - Yokohama, Japan (JP); Yasuhara, Hiroaki - Tokyo, Japan (JP); Sakamoto, Okihiko - Yokohama, Japan (JP), 883044 (08), June 26, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHISEIDO COMPANY, LTD. 7-5-5, GINZA, CHUO-KUTOKYO, (1), Reel and Frame Number: 008665/0079, Shiseido Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... CARBOPOL etc.), and other vinyl type polymers, polyoxyethylene type polymers, ...

37. 6419945 , July 16, 2002 , Buffered resorbable internal fixation devices and methods for making material therefore, Gresser, Joseph D. - Brookline, Massachusetts, United States (US); Trantolo, Debra J. - Princeton, Massachusetts, United States (US); Langer, Robert - Newton, Massachusetts, United States (US); Klivanov, Alexander M. - Newton, Massachusetts, United States (US); Wise, Donald L. - Belmont, Massachusetts, United States (US), 166508 (09), November 2, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CAMBRIDGE SCIENTIFIC, INC. 195 COMMON STREET BELMONT, MASSACHUSETTS, 02178, Reel and Frame Number: 009553/0085, Cambridge Scientific, Inc., Belmont, Massachusetts, United States (US), United States company or corporation (02)  
... hydrolysis, such as "addition" or "vinyl-type" polymers, i.e., those polymers formed by ...

38. 6417283 , July 9, 2002 , Carbon black graft polymer, Ikeda, Hayato - Nara, Japan (JP); Urashima, Nobuaki - Kashiwara, Japan (JP); Ando, Nobuyuki - Tenri, Japan (JP), 395328 (09), December 9, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO. LTD. 1-1 KORAIBASHI 4-CHOME, CHUO-KU OSAKA-SHI OSAKA 541-0043, (1), Reel and Frame Number: 010435/0579, Nippon Shokubai Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... 2), polymers such as vinyl type polymers, polyesters, and polyethers which have a ...  
... selected from the group of the various vinyl type polymers which are obtained by the homopolymerization or ...  
... A) is preferably a vinyl type polymer, particularly a vinyl type polymer which contains not less than ...

39. 6374738 , April 23, 2002 , Lithographic imaging with non-ablative wet printing members, Lewis, Thomas E. - East Hampstead, New Hampshire, United States (US); Kearney, Frederick R. - Walpole, Massachusetts, United States (US); Langlais, II, Eugene L. - Amherst, New Hampshire, United States (US); Frank, Steven J. - Framingham, Massachusetts, United States (US), 564339 (09), May 3, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 18 HAMPSHIRE DRIVE HUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010786/0789, Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)  
... cleaning. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

40. 6372818 , April 16, 2002 , Water-based ink for ink-jet, and ink-jet recording method and instruments using the same, Kimura, Isao - Kawasaki, Japan (JP); Maeda, Hiroyuki - Yokohama, Japan (JP); Shimomura, Masako - Yokohama, Japan (JP); Kubota, Hidemi - Komae, Japan (JP), 705301 (08), November 14, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 30-2,

SHIMOMARUKO 3-CHOME, OHTA-KUTOKYO, (1), Reel and Frame Number: 008225/0058, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... include water-soluble vinyl-type polymers (A) comprising at least ...

... constituting the water-soluble vinyl-type polymer (A). In order to ...

... in the present invention are vinyl-type polymers and hence obtained by mixing ...

41. 6365667 , April 2, 2002 , Synthetic polymers having hydrogen bonding capability and containing aliphatic hydrocarbon moieties, Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Appleton, Wisconsin, United States (US); Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US), 642346 (09), Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)

... can be incorporated into any vinyl type polymer such as polyacrylamide, polyvinyl ...

... polyacrylamide but is applicable to any vinyl type polymer. When incorporated in such a ...

... groups on the polymer backbone. The vinyl type polymers such as polyacrylamides, modified ...

42. 6357352 , March 19, 2002 , Lithographic printing plates for use with laser imaging apparatus, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US), 704858 (09), Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)

... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

... itself or in combination with vinyl-type polymers provides a high ...

43. 6333025 , December 25, 2001 , Use of nitrocellulose and cellulose ester in a nail varnish, Ramin, Roland - Paris, France (FR), 434120 (09), February 1, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., L'OREAL S.A. 14, RUE ROYALE75008 PARIS, (1), Reel and Frame Number: 010553/0101, L'Oreal, Paris, France (FR), Foreign company or corporation (03)

... acrylic, acrylic-styrene, and vinyl type polymers. 18. A process ...

44. 6331373 , December 18, 2001 , Developer for electrostatic image, Kuramoto, Shigefumi - Osaka, Japan (JP); Sakai, Yasuhiro - Osaka, Japan (JP); Ikeda, Hayato - Osaka, Japan (JP); Ando, Nobuyuki - Nara, Japan (JP), 592112 (08), March 2, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO., LTD. KORAIBASHI 4-CHOME, CHUO-KU, OSAKASHIOSAKA-FU, (1), Reel and Frame Number: 011592/0219, Nippon Shokubai Co., Ltd., Osaka-fu, Japan (JP), Foreign company or corporation (03)

... referred to occasionally as "vinyl type polymer"). The term "polysiloxane framework" ...

45. 6309200 , October 30, 2001 , Apparatus for texturing a thermoplastic extrusion utilizing a liquid jet printer head, Teutsch, Erich Otto - Richmond, Massachusetts, United States (US), 143008 (09), October 13, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., GENERAL ELECTRIC COMPANY 1 RIVER ROADSCHENECTADY, NEW YORK, 12345, Reel and Frame Number: 009533/0077, General Electric Company, Pittsfield, Massachusetts, United States (US), United States company or corporation (02)

... materials such as polypropylene and vinyl type polymers. These lower melting polymers are ...

46. 6297291 , October 2, 2001 , Liquid silicone rubber composition of low specific gravity, Tsuji, Yuichi - Chiba Prefecture, Japan (JP); Oka, Yutaka - Chiba Prefecture, Japan (JP), 788918 (09), February 20, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING TORAY SILICONE COMPANY, LTD. 1-1-3, MARUNOUCHI, CHIYODA-KU 4TH FLOOR, AIG BUILDINGTOKYO 100-0005, (1), Reel and Frame Number: 011559/0850, Dow Corning Toray Silicone Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... polychloroprene, or a similar vinyl-type polymer or copolymer thereof; Nylon 6, ...

47. 6294616 , September 25, 2001 , Blends and alloys of polycyclic polymers, Rhodes, Larry F. - Silverlake, Ohio, United States (US); Goodall, Brian L. - Akron, Ohio, United States (US); Mulhaupt, Rolf - Feiburg, Germany (DE); Shick, Robert A. - Strongsville, Ohio, United States (US); Benedikt, George M. - Solon, Ohio, United States (US); Jayaraman, Sai Kumar - Cuyahoga Falls, Ohio, United States (US); Soby, Lynn M. - Brecksville, Ohio, United States (US); McIntosh, III, Lester H. - Cuyahoga Falls, Ohio, United States (US), 450648 (08), April 15, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., B.F.GOODRICH COMPANY,

THE 3925 EMBASSY PARKWAY AKRON, OHIO, 44333, Reel and Frame Number: 007893/0856, B. F. Goodrich Company, Akron, Ohio, United States (US), United States company or corporation (02) , December 2, 2002 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., GOODRICH CORPORATION 2730 WEST TYVOLA ROAD FOUR COLISEUM CENTRE CHARLOTTE, NORTH CAROLINA, 28217-4578, Reel and Frame Number: 013542/0183 December 2, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SUMITOMO BAKELITE CO., LTD. 5-8 HIGASHI-SHINAGAWA 2-CHOME SHINAGAWA-KUTOKYO 140-0002, (1), Reel and Frame Number: 013542/0861

... radical grafting of a vinyl-type polymer onto a non-functional ...  
... radical grafting of a vinyl-type polymer onto a PNB having pendant ...

48. 6291021 , September 18, 2001 , Coating material, Morita, Yoshitsugu - Chiba Prefecture, Japan (JP); Furukawa, Haruhiko - Chiba Prefecture, Japan (JP); Aso, Takayuki - Chiba Prefecture, Japan (JP), 448555 (09), January 24, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING, CORPORATION CO1232 PO BOX 994 MIDLAND, MICHIGAN, 48686, Reel and Frame Number: 010541/0730, Dow Corning Toray Silicone Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... material contains a vinyl-type polymer that contains a pendant ...  
... base ingredient a vinyl-type polymer that contains a pendant ...  
... DETAILED DESCRIPTION OF THE INVENTION The vinyl-type polymer constituting the coating material of the ...  
... carbosiloxane dendrimer-functional vinyl-type polymer). This carbosiloxane dendrimer structure ...  
... dendrimer structure in the vinyl-type polymer in the coating material of the ...  
... carbosiloxane dendrimer-functional vinyl-type polymer afforded by the polymerization of ( ...  
... integer from 0 to 3. Considering this vinyl-type polymer in greater detail, the ...  
... in the dendrimer-functional vinyl-type polymer used in the present ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in the present ...  
... 3-chloropropyltrimethoxysilane. Production of the vinyl-type polymer of the invention preferably includes ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in this invention is ...  
... carbosiloxane dendrimer-functional vinyl-type polymer. Acrylic resin can also ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in this invention. The ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in the present ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in the invention ...  
... carbosiloxane dendrimer-functional vinyl-type polymer used in the invention are ...  
... carbosiloxane dendrimer-functional vinyl-type polymer, upon application to the substrate this ...  
... carbosiloxane-dendrimer functional vinyl-type polymer comprising a carbosiloxane ...  
... claim 1, wherein I) the vinyl-type polymer is prepared by a ...

49. 6287418 , September 11, 2001 , Modified vinyl polymers containing amphiphilic hydrocarbon moieties, Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Neenah, Wisconsin, United States (US); Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US), 449260 (09), February 1, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KIMBERLY-CLARK WORLDWIDE, INC. 401 NORTH LAKE STREET NEENAH, WISCONSIN, 54956, Reel and Frame Number: 010591/0912, Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)

... be expected to incorporate into any vinyl type polymer such as a PAM, ...  
... groups on the polymer backbone. The vinyl type polymers, including the modified polyacrylamides, ...

50. 6280748 , August 28, 2001 , Cosmetic raw material cosmetic product and method for manufacturing cosmetic products, Morita, Yoshitsugu - Chiba Prefecture, Japan (JP); Furukawa, Haruhiko - Chiba Prefecture, Japan (JP); Aso, Takayuki - Chiba Prefecture, Japan (JP); Hamachi, Tadashi - Chiba Prefecture, Japan (JP), 318997 (09), May 26, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING TORRAY SILICONE COMPANY, LTD. 1-1-3, MARUNOUCHI, CHIYODA-KUTOKYO 100-0005, (1), Reel and Frame Number: 009995/0559, Dow Corning Toray Silicone, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... material is produced from a vinyl-type polymer having a carbosiloxane dendrimer ...  
... raw material is composed of the vinyl-type polymer having a carbosiloxane dendrimer ...  
... raw material composed of the vinyl-type polymer and a solution or a ...

... characterized by a vinyl-type polymer which has in its side molecular ...  
 ... dendrimer structure of a vinyl-type polymer can be represented ...  
 ... integer from 0 to 3. The following vinyl-type polymer which contains a carbosiloxane ...  
 ... component (A) in the vinyl-type polymer of the present invention is a ...  
 ... catalyst. It is preferred that in the vinyl-type polymer of the present invention which contains ...  
 ... homopolymer of component, (B). The vinyl-type polymer contains a carbosiloxane ...  
 ... compound. In the manufacture of the vinyl-type polymer of the present invention, it is preferred that ...  
 ... a dispersion of a vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... oil, an alcohol, or water. The vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... prepared by mixing the vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... in the stage of polymerization of the vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... a dispersion, dispersity of the vinyl-type polymer can be improved ...  
 ... average diameter of particles of the vinyl-type polymer be within a ...  
 ... pleasant sensation. It is preferred that the vinyl-type polymer contained in the dispersion or ...  
 ... deg] C. Properties of the vinyl-type polymers which were used as cosmetic ...  
 ... described below. Properties of the Vinyl-Type Polymers having Carbosiloxane Dendrimer Structures ...  
 ... a dispersion of a vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... % concentration of a vinyl-type polymer with a carbosiloxane dendrimer ...  
 ... triethanolamine were added, whereby a vinyl-type polymer solution having 20 wt. ...  
 ... % solution of a vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... % solution of a vinyl-type polymer [Cosmetic Raw Material ( ...  
 ... % concentration of a vinyl-type polymer [Cosmetic Raw Material ( ...  
 ... Example 3 A vinyl-type polymer was prepared by the same ...  
 ... dispersion prepared from a vinyl-type polymer having a carbosiloxane dendrimer ...

51. 6277491, August 21, 2001, Expandable thermoplastic resin beads and molded foam made from the same, Sakoda, Yasuhiro - Koka-gun, Japan (JP); Takahashi, Hiroyuki - Moriyama, Japan (JP); Sato, Masaya - Koka-gun, Japan (JP); Togo, Narihiko - Koka-gun, Japan (JP), 341670 (09), August 27, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SEKISUI KASEIHIN KOGYO KABUSHIKI KAISHA KITA-KU, OSAKA-SHI 4-4, NISHITENMA 2-CHOME, OSAKA 530-0047, (1), Reel and Frame Number: 010267/0303, Sekisui Kaseihin Kogyo KabushikiKaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... a fluorine-containing vinyl-type polymer segment derived from a ...  
 ... monomer and a lipophilic vinyl-type polymer segment derived from a ...  
 ... a fluorine-containing vinyl-type polymer segment in the fluorine- ...  
 ... further a lipophilic vinyl-type polymer segment in the block ...  
 ... a fluorine-containing vinyl-type polymer segment derived from a ...  
 ... monomer and a lipophilic vinyl-type polymer segment derived from a ...  
 ... a fluorine-containing vinyl-type polymer segment and a lipophilic vinyl-type polymer segment. In the present ...  
 ... constitutes the fluorine-containing vinyl-type polymer segment according to the present ...  
 ... weight to the fluorine containing vinyl-type polymer segment. Next, the lipophilic vinyl-type polymer segment of the present invention is ...  
 ... in the fluorine-containing vinyl-type polymer segment particularly without ...  
 ... by weight to the lipophilic vinyl-type polymer segment in this case. The ...  
 ... by weight to the lipophilic vinyl-type polymer segment. Specific examples of the ...  
 ... ratio of the fluorine-containing vinyl-type polymer segment to the lipophilic vinyl-type polymer segment in the fluorine- ...  
 ... weight. If the fluorine-containing vinyl-type polymer segment is in a ...  
 ... example, the preparation of the lipophilic vinyl-type polymer segment in the first ...  
 ... preparation of the fluorine-containing vinyl-type polymer segment in the second ...  
 ... monomer to prepare the lipophilic vinyl-type polymer segment is at first polymerized ...  
 ... bond-containing lipophilic vinyl-type polymer in which the peroxide bond has been ...  
 ... bond-containing lipophilic vinyl-type polymer is cleaved to produce effectively the ...  
 ... weight of the fluorine-containing vinyl-type polymer segment and 40% by weight of the lipophilic vinyl-type polymer segment. [Example of the Manufacture of an ...



... weight of the fluorine-containing vinyl-type polymer and 40% by weight of the lipophilic vinyl type-polymer.  
 [Manufacturing Example of Expanded ...  
 ... ratio of the fluorine-containing vinyl-type polymer segment to other segment ...  
 ... a fluorine-containing vinyl-type polymer segment derived from a ...  
 ... monomer and a lipophilic vinyl-type polymer segment derived from a ...  
 ... a fluorine-containing vinyl-type polymer segment derived from a ...  
 ... substituent; and a lipophilic vinyl-type polymer segment derived from a ...  
 ... weight of the fluorine-containing vinyl-type polymer segment and 80-20% by weight of the lipophilic vinyl-type polymer segment. 3. The expandable ...  
 ... weight of the fluorine-containing vinyl-type polymer segment and 50-30% by weight of the lipophilic vinyl-type polymer segment. 4. The expandable ...  
 ... claim 1 wherein the lipophilic vinyl-type polymer segment comprises a ...

52. 6274667 , August 14, 2001 , Synthetic polymers having hydrogen bonding capability and containing aliphatic hydrocarbon moieties, Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Appleton, Wisconsin, United States (US); Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US), 299977 (09), June 2, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KIMBERLY-CLARK WORLDWIDE, INC. 401 NORTH LAKE STREET NEENAH, WISCONSIN, 54956, Reel and Frame Number: 009994/0596, Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)  
 ... can be incorporated into any vinyl type polymer such as polyacrylamide, polyvinyl ...  
 ... polyacrylamide but is applicable to any vinyl type polymer. When incorporated in such a ...  
 ... groups on the polymer backbone. The vinyl type polymers such as polyacrylamides, modified ...

53. 6238745 , May 29, 2001 , Water repellent for treating solids, Morita, Yoshitsugu - Chiba Prefecture, Japan (JP); Aso, Takayuki - Chiba Prefecture, Japan (JP); Furukawa, Haruhiko - Chiba Prefecture, Japan (JP), 448530 (09), January 21, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING, CORPORATION PO BOX 994 MIDLAND, MICHIGAN, 48686, Reel and Frame Number: 010544/0693, Dow Corning Toray Silicone Co. Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. A spray-formulated ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer, 30 to 98.5 weight ...  
 ... solids. SUMMARY OF THE INVENTION Vinyl-type polymers having a carbosiloxane dendrimer ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymers") not only provide an ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. This invention further relates to ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer, 30 to 98.5 weight ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. The carbosiloxane dendrimer structure ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer denotes a high- ...  
 ... dendrimer structure in the vinyl-type polymer in the water repellent ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer as afforded by the ...  
 ... integer from 0 to 3). Considering this vinyl-type polymer in greater detail, the ...  
 ... in the dendrimer-functional vinyl-type polymer used in the present ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer used in this invention is ...  
 ... 3-chloropropyltrimethoxysilane. Production of the vinyl-type polymer of the invention preferably includes ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer used in the present ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer as described above ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer active ingredient in this ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. The pendant carbosiloxane dendrimer-functional vinyl-type polymer used in this invention is the ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer already described above. Its ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer, but its type and other ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer as its base or active ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Part of this isopropyl alcohol ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Analysis of this solid by ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Part of this solution was air- ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Analysis of this solid by ...

... a dimethylpolysiloxane-containing vinyl-type polymer was obtained by operating ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer synthesized in Reference ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Polyester taffeta intended ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer synthesized in Reference ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. Polyester taffeta intended ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer having a carbosiloxane dendrimer ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer has been prepared by the polymerization of ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer. 5. The water repellent of ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer in an organic solvent, wherein the ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer comprises a carbosiloxane ...  
 ... carbosiloxane dendrimer-functional vinyl-type polymer having a carbosiloxane dendrimer ...

54. 6232029 , May 15, 2001 , Process for preparing flash fixation toner and master batch for use in said process, Kushino, Mitsuo - Hyogo, Japan (JP); Matsumoto, Makoto - Osaka, Japan (JP); Yodoshi, Takashi - Abiko, Japan (JP), 297946 (09), August 7, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO., LTD. CHUO-KU, OSAKA-SHI 1-1, KORAIBASHI 4-CHOME OSAKA 541-0043, (1), Reel and Frame Number: 011042/0707, Nippon Shokubai Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... propylene, and butylene; and various vinyl type polymers such as acrylic acid, ...

55. 6224714 , May 1, 2001 , Synthetic polymers having hydrogen bonding capability and containing polysiloxane moieties, Schroeder, Wen Zyo - Appleton, Wisconsin, United States (US); Clarahan, Daniel Arthur - Greenleaf, Wisconsin, United States (US); Goulet, Mike Thomas - Neenah, Wisconsin, United States (US); Shannon, Thomas Gerard - Neenah, Wisconsin, United States (US), 449261 (09), February 1, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KIMBERLY-CLARK WORLDWIDE, INC. 401 NORTH LAKE STREET NEENAH, WISCONSIN, 54956, Reel and Frame Number: 010591/0796, Kimberly-Clark Worldwide, Inc., Neenah, Wisconsin, United States (US), United States company or corporation (02)

... polyvinyl backbone. Almost any vinyl type polymer can be co- ...  
 ... be expected to incorporate into any vinyl type polymer such as a PAM, ...  
 ... polyacrylamide but is applicable to any vinyl type polymer. As such the siloxanes are arranged on the ...  
 ... groups on the polymer backbone. The vinyl type polymers, including the modified polyacrylamides, ...

56. 6217495 , April 17, 2001 , Symmetrical exercise apparatus, Yalch, Theodore - 20072 CR 4126, Lindale, Texas, 75771, United States (US), 300945 (09)

... homo and copolymers, halogenated vinyl type polymers, polyamide-imide type ...

57. 6207766 , March 27, 2001 , Room temperature-setting compositions, Doi, Takao - Yokohama, Japan (JP); Watabe, Takashi - Yokohama, Japan (JP); Matsumoto, Tomoko - Yokohama, Japan (JP); Onoguchi, Tatsuo - Yokohama, Japan (JP); Tsuruoka, Kaori - Yokohama, Japan (JP), 147417 (09), March 19, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ASAHI GLASS COMPANY LTD. 1-2, MARUNOUCHI 2-CHOME, CHIYODA-KUTOKYO 100-0005, (1), Reel and Frame Number: 009825/0828 February 18, 2000 - CHANGE OF CORPORATE ADDRESS, ASAHI GLASS COMPANY LTD. 12-1, YURAKUCHO 1-CHOME CHIYODA-KUTOKYO, (1), Reel and Frame Number: 010557/0067, Asahi Glass Company Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... epoxy resin, a vinyl type polymer containing an epoxy resin or an ...

58. 6192798 , February 27, 2001 , Lithographic printing members having secondary non-ablative layers for use with laser imaging apparatus, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US); Dunley, Timothy J. - Springfield, Massachusetts, United States (US); Hodgins, George R. - Granby, Massachusetts, United States (US), 235947 (09), July 16, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., R/H CONSULTING, INC. 755 NEW LUDLOW ROAD SOUTH HADLEY, MASSACHUSETTS, 01075, Reel and Frame Number: 010098/0559 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 18 HAMPSHIRE DRIVE HUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010516/0202, Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)

... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

59. 6190816 , February 20, 2001 , Toner resin composition and toner, Takehara, Hiroaki - Shiga-ken, Japan (JP); Ueyama, Takashi - Shiga-ken, Japan (JP); Okudo, Masazumi - Shiga-ken, Japan (JP), 412748 (09), April 18, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SEKISUI CHEMICAL COMPANY, LTD. 2-4-4 NISHITENMA, KITA-KU, OSAKA-SHIOSAKA-FU, (1)530-8, Reel and Frame Number: 010750/0310, Sekisui Chemical Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... glycol and polypropylene glycol; and vinyl-type polymers which contain, as main ...

60. 6186067 , February 13, 2001 , Infrared laser-imageable lithographic printing members and methods of preparing and imaging such printing members, Rorke, Thomas P. - South Hadley, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US); Dunley, Timothy J. - Springfield, Massachusetts, United States (US), 410230 (09), January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 18 HAMPSHIRE DRIVEHUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010482/0632 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., R/H CONSULTING, INC. 755 NEW LUDLOW ROAD SOUTH HADLEY, MASSACHUSETTS, 01075, Reel and Frame Number: 010489/0937 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., R/H CONSULTING, INC. 755 NEW LUDLOW ROAD SOUTH HADLEY, MASSACHUSETTS, 01075, Reel and Frame Number: 010516/0178 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 18 HAMPSHIRE DRIVEHUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010516/0192, Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)  
... layer. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

61. 6182570 , February 6, 2001 , Lithographic printing plates for use with laser imaging apparatus, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); D'Amato, Richard J. - South Hadley, Massachusetts, United States (US), 399905 (09), October 15, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., R/H CONSULTING INC. 755 NEW LUDLOW ROAD SOUTH HADLEY, MASSACHUSETTS, 01075, Reel and Frame Number: 010334/0947 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 10 HAMPSHIRE DRIVEHUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010516/0300, Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)

... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...  
... itself or in combination with vinyl-type polymers provides a high ...

62. 6182569 , February 6, 2001 , Laser-imageable printing members and methods for wet lithographic printing, Rorke, Thomas P. - Holyoke, Massachusetts, United States (US); Dunley, Timothy J. - Springfield, Massachusetts, United States (US); Hodgins, George R. - Granby, Massachusetts, United States (US), 235933 (09), July 16, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., R/H CONSULTING, INC. 755 NEW LUDLOW ROAD SOUTH HADLEY, MASSACHUSETTS, 01075, Reel and Frame Number: 010098/0564 January 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PRESSTEK, INC. 18 HAMPSHIRE DRIVEHUDSON, NEW HAMPSHIRE, 03051, Reel and Frame Number: 010516/0286, Presstek, Inc., Hudson, New Hampshire, United States (US), United States company or corporation (02)  
... 104. For example, vinyl-type polymers, such as polyvinyl alcohol, ...

63. 6180175 , January 30, 2001 , Coating composition, Saika, Masaaki - Hiratsuka, Japan (JP); Yukawa, Yoshiyuki - Hiratsuka, Japan (JP); Yabuta, Motoshi - Hadano, Japan (JP); Wada, Seiji - Oiso-machi, Japan (JP); Noura, Kohsuke - Hiratsuka, Japan (JP); Okumura, Yasumasa - Nisshin, Japan (JP), 177082 (09), October 23, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KANSAI PAINT CO., LTD. 33-1, KANZAKI-CHO, AMAGASAKI-SHIHYOGO-KEN, (1), Reel and Frame Number: 009535/0929, Kansai Paint Co., Ltd., Hyogo-ken, Japan (JP), Foreign company or corporation (03)  
... comprises (A) a vinyl type polymer having both hydroxyl groups and ...  
... material comprising a vinyl type polymer having both silylated hydroxyl ...  
... chloride etc. A vinyl type polymer (A) can be ...

64. 6171618 , January 9, 2001 , Combination dosage form comprising cetirizine and pseudoephedrine, Johnson, Barbara A. - Niantic, Connecticut, United States (US); Korsmeyer, Richard W. - Old Lyme, Connecticut, United States (US); Oksanen, Cynthia A. - Mystic, Connecticut, United States (US), 864490 (08), December 17, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PFIZER INC. BLDG. 235, 20TH FLOOR 235 EAST 42ND STREET NEW YORK, NEW YORK, 10017, Reel and Frame Number: 009048/0113, Pfizer Inc., New York, New York, United States (US), United States company or corporation (02)  
... for example from olefin and vinyl type polymers, organosilicon polymers, polysulfones, ...

65. 6169114 , January 2, 2001 , Endermic liniment containing a thiol compound and zinc oxide, Yamaguchi, Kenji - Yokohama, Japan (JP); Yagi, Eiichiro - Yokohama, Japan (JP); Naganuma, Masako - Tokyo, Japan (JP); Hatao, Masato - Yokohama, Japan (JP); Iwai, Ichiro - Yokohama, Japan (JP), 284959 (09), May 5, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHISEIDO COMPANY, LTD. 5-5 GINZA 7-CHOME, CHUO-KUTOKYO, (1)1040-, Reel and Frame Number: 010038/0712, Shiseido Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... soluble polymers such as vinyl type polymers including polyvinyl alcohol, ...

66. 6156437 , December 5, 2000 , Curable compositions using siloxane grafted vinyl polymers, Manzoji, Ryuko - Chiba Prefecture, Japan (JP); Okawa, Tadashi - Chiba Prefecture, Japan (JP); Mikami, Ryuzo - Chiba Prefecture, Japan (JP), 257338 (09), April 5, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING TORAY SILICONE COMPANY, LIMITED 1-1-3, MARUNOUCHI, CHIYODA-KU 4TH FLOOR, AIG BUILDING TOKYO 100-0005, (1), Reel and Frame Number: 009911/0979, Dow Corning Toray Silicone Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... functional silicone graft vinyl-type polymer, a precursor of vinyl-type polymer of component (a), can ...

67. 6133431 , October 17, 2000 , Adsorbent for immunoglobulins and complexes thereof, adsorption method, and adsorption device, Yasuda, Takamune - Kobe, Japan (JP); Odawara, Osamu - Takasago, Japan (JP); Ogino, Eiji - Kobe, Japan (JP); Nomura, Michio - Kakogawa, Japan (JP); Nakai, Takahisa - Kobe, Japan (JP); Asahi, Takashi - Kobe, Japan (JP); Tani, Nobutaka - Osaka, Japan (JP), 117233 (09), October 26, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KANEKA CORPORATION 3-CHOME, KITA-KU, OSAKA-SHI 2-4 NAKANOSHIMA OSAKA, (1)530, Reel and Frame Number: 009548/0411, Kaneka Corporation, Osaka, Japan (JP), Foreign company or corporation (03)  
... 100 meshes), a vinyl type polymer gel (Toyopearl HW- ...

68. 6114076 , September 5, 2000 , Reactive melt mixing processes, Odell, Peter G. - Mississauga, Canada (CA); Drappel, Stephan V. - Toronto, Canada (CA); Hawkins, Michael S. - Cambridge, Canada (CA), 158580 (08), November 29, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT 06904-1600, Reel and Frame Number: 006791/0332, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02), June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670C, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001C October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558 HOUSTON, TEXAS, 77252D, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558 HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476D  
... 3,941,898, a crosslinked vinyl type polymer prepared using conventional ...

69. 6020070 , February 1, 2000 , Multilayer material, process of preparation and applications, Hoerner, Pierre - Horbourg-Wihr, France (FR); Riess, Gerard - Mulhouse, France (FR); Busnel, Rene Guy - Bievres, France (FR); Cheymol, Andre - Dange Saint Romain, France (FR), 769736 (08), April 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HUTCHINSON 2 RUE BALZAC PARIS, (1)75008, Reel and Frame Number: 008473/0816, Hutchinson, Paris, France (FR), Foreign company or corporation (03)  
... above; (d) acrylic or vinyl type polymers, (e) a diene ...

70. 5998588 , December 7, 1999 , Interactive molecular conjugates, Hoffman, Allan S. - Seattle, Washington, United States (US); Stayton, Patrick S. - Seattle, Washington, United States (US), 697904 (08), November 4, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., UNIVERSITY OF WASHINGTON 1107 NE 45TH STREET SEATTLE, WASHINGTON, 98105, Reel and Frame Number: 008213/0090, University of Washington, Seattle, Washington, United States (US), United States company or corporation (02) ... can yield bifunctional vinyl-type polymers such as polyNIPAAm or EO/ ...

71. 5998084 , December 7, 1999 , Radiation-sensitive recording material for the production of planographic printing plates, Elsaesser, Andreas - Idstein, Germany (DE); Haas, Raimund - Kelkheim, Germany (DE); Hultsch, Guenter - Wiesbaden, Germany (DE); Lehmann, Peter - Kelkheim, Germany (DE); Neubauer, Rudolf - Oestrich-Winkel, Germany (DE); Zertani, Rudolf - Bechtolsheim, Germany (DE), 749854 (08), November 15, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HOECHST AKTIENGESELLSCHAFT FRANKFURT, (1)D-659, Reel and Frame Number: 008330/0778 September 29, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AGFA-GEVAERT AG KAISER-WILHELM-ALLEE LEVERKUSEN, (1), Reel and Frame Number: 010273/0183 October 25, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AGFA-GEVAERT N.V. SEPTESTAAT 27MORTSEL, (1)B-264, Reel and Frame Number: 010329/0441, Agfa-Gevaert N.V., Mortsel, Belgium (BE), Foreign company or corporation (03) ... PA2 c) a vinyl-type polymer comprising at least one ... resin, c) a vinyl-type polymer comprising at least one ... methacrylate copolymer, a vinyl-type polymer having a lateral hydroxyphenyl ...

72. 5981425 , November 9, 1999 , Photocatalyst-containing coating composition, Taoda, Hiroshi - Nagoya, Japan (JP); Nonami, Toru - Nagoya, Japan (JP); Fujiwa, Takaaki - Himeji, Japan (JP); Kagotani, Masahiro - Kakogawa, Japan (JP), 285056 (09), April 2, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY 1-3-1, KASUMIGASEKI, CHIYODA-KUTOKYO 100-8921, (1), DAICEL CHEMICAL INDUSTRIES, LTD. 1, TEPPCHO, SAKAI-SHIOSAKA 590-8501, (1), TAODA, HIROSHI 4-301, INOKOSHI-JYUTAKU, 70, HEIWAGAOKA 1-CHOMEMEITO-KU, NAGOYA-SHI, AICHI 465-0097, (1), NONAMI, TORU 1-302, INOKOSHI-JYUTAKU, 70, HEIWAGAOKA 1-CHOMEMEITO-KU, NAGOYA-SHI, AICHI 465-0097, (1), Reel and Frame Number: 009891/0235, Agency of Industrial Science & Tech., Tokyo, Japan (JP), Foreign company or corporation (03) Daicel Chemical Ind., Ltd., Osaka, Japan (JP), Foreign company or corporation (03) Taoda; H., Nagoya, Japan (JP), Foreign States individual (05) Nonami; T., Nagoya, Japan (JP), Foreign States individual (05) ... In the present invention, the vinyl type polymer can be obtained ... average molecular weight of the vinyl type polymer is not particularly limited and is ...

73. 5976500 , November 2, 1999 , Gel particle contrast media for magnetic resonance imaging, Unger, Evan C. - Tucson, Arizona, United States (US), 285977 (08), July 24, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., IMARX PHARMACEUTICAL CORP. 1635 EAST 18TH STREET TUCSON, ARIZONA, 85719, Reel and Frame Number: 007560/0502 January 7, 1997 - MORTGAGE (SEE DOCUMENT FOR DETAILS)., WOLFE, KENNETH P.O. BOX 1598 33 PLEASANT STREET NATHAN WECHSLER FIRMCONCORD, NEW HAMPSHIRE, 03301, Reel and Frame Number: 008296/0263, ImaRx Pharmaceutical Corp., Tucson, Arizona, United States (US), United States company or corporation (02) , February 13, 2001 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., SILICON VALLEY BANK LOAN DOCUMENTATION HA155 3003 TASMAN DR. SANTA CLARA, CALIFORNIA, 95054, Reel and Frame Number: 011497/0505 March 26, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., IMARX, LLC AN ARIZONA LIMITED LIABILITY COMPANY 1635 E. 18TH STREET TUCSON, ARIZONA, 85719, Reel and Frame Number: 011425/0046 March 26, 2001 - MERGER (SEE DOCUMENT FOR DETAILS)., IMARX THERAPEUTICS, INC. 1635 E. 18TH STREET TUCSON, ARIZONA, 85719, Reel and Frame Number: 011425/0432 March 26, 2001 - MERGER (SEE DOCUMENT FOR DETAILS)., IMARX THERAPEUTICS, INC. 1635 E. 18TH STREET TUCSON, ARIZONA, 85719, Reel and Frame Number: 011436/0117 July 29, 2004 - RELEASE, IMARX THERAPEUTICS, INC. 1635 E. 18TH STREET TUCSON, ARIZONA, 85719, Reel and Frame Number: 015592/0901 May 17, 2006 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., IMARX THERAPEUTICS, INC. 1635 E. 18TH STREET TUCSON ARIZONA 85719, Reel and Frame Number: 017626/0618

... Marvel et al., "Vinyl-Type Polymers Containing Phosphorus", J. of ...

74. 5973096 , October 26, 1999 , Process for purifying a polyether, Watabe, Takashi - Yokohama, Japan (JP); Hatano, Hiroshi - Yokohama, Japan (JP); Chiba, Kazunori - Yokohama, Japan (JP); Doi, Takao - Yokohama, Japan (JP); Ueno, Toru - Yokohama, Japan (JP); Sakai, Etsuko - Yokohama, Japan (JP); Yamada, Minoru - Yokohama, Japan (JP); Saiki, Shinya - Yokohama, Japan (JP); Yamamoto, Hirotugu - Yokohama, Japan (JP); Higuchi, Toshihiko - Yokohama, Japan (JP), 991549 (08), Asahi Glass Company Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) , February 18, 2000 - CHANGE OF CORPORATE ADDRESS, ASAHI GLASS COMPANY LTD. 12-1, YURAKUCHO 1-CHOME CHIYODA-KUTOKYO, (1), Reel and Frame Number: 010557/0067

... epoxy group-containing vinyl type polymers including for example, an ...

75. 5969740 , October 19, 1999 , Ink-jet recording process, and ink-jet recording apparatus, Maeda, Hiroyuki - Yokohama, Japan (JP); Kimura, Isao - Kawasaki, Japan (JP); Kubota, Hidemi - Komae, Japan (JP), 720451 (08), December 6, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KUTOKYO, (1), Reel and Frame Number: 008276/0370, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... a water-soluble vinyl-type polymer (A) containing as ...

... derivatives. The water-soluble vinyl-type polymer (A) is a polymer of ...

... constituting the water-soluble vinyl-type polymer (A), the ester (a) ...

... polymers, the water-soluble vinyl-type polymer and the surface active agent, ...

... Examples, water-soluble vinyl-type polymers are shown in Table ...

... thermoreversible thickening polymer (vinyl-type polymer) solution was beforehand prepared ...

... thermoreversible thickening polymer (vinyl-type polymer) solution, ion-exchanged ...

... thermoreversible thickening polymer (vinyl-type polymer) nor the surface active ...

76. 5952429 , September 14, 1999 , Carbon black graft polymer, method for production thereof, and use thereof, Ikeda, Hayato - Osaka, Japan (JP); Ando, Nobuyuki - Nara, Japan (JP); Asako, Yoshinobu - Ibaraki, Japan (JP); Anan, Kazuhiro - Osaka, Japan (JP); Matsuda, Tatsuhito - Hyogo, Japan (JP); Toribuchi, Hironobu - Osaka, Japan (JP); Kushino, Mitsuo - Hyogo, Japan (JP); Uehara, Keiichi - Hyogo, Japan (JP); Mori, Yoshikuni - Osaka, Japan (JP), 793210 (08), June 25, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO., LTD. 1-1, KOBRAIBASHI 4-CHOME, CHUO-KUOSAKA-SHI, OSAKA 541, (1), Reel and Frame Number: 010051/0494, Nippon Shokubai Co., Ltd. , Japan (JP), Foreign company or corporation (03)

... selected from among various vinyl type polymer structures, polyester type ...

... may be any of the various vinyl type polymers which are obtained by the homopolymerization or ...

... A) is preferably a vinyl type polymer, particularly a vinyl type polymer which contains not less than ...

... respect. It is generally a vinyl type polymer, particularly a vinyl type polymer containing not less than ...

... polymer is selected from among such vinyl type polymers, polyesters, and polyethers as have ...

... 2), polymers such as vinyl type polymers, polyesters, and polyethers which have a ...

77. 5935751 , August 10, 1999 , Toner for developing electrostatic latent image, process for manufacturing the same, developer for electrostatic latent image, and image-forming method, Matsuoka, Hirotaka - Minami-ashigara, Japan (JP); Tanaka, Hiroyuki - Minami-ashigara, Japan (JP); Lee, Jong Won - Minami-ashigara, Japan (JP); Suzuki, Isamu - Minami-ashigara, Japan (JP), 882104 (08), June 25, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI XEROX CO., LTD. 17-22, AKASAKA 2-CHOMEMINATO-KU, TOKYO, (1), Reel and Frame Number: 008630/0618, Fuji Xerox Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... hydrophobic micro-particles, vinyl-type polymer, zinc stearate, and the like ...

78. 5914209 , June 22, 1999 , Single development toner for improved MICR, Grushkin, Bernard - Pittsford, New York, United States (US), 702533 (07), May 20, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION STAMFORD, CONNECTICUT, Reel and Frame Number: 005727/0874, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670C, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001C October

31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252D, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476D  
... resin comprises a vinyl-type polymer having 5 to 80 wt. ...

79. 5905109 , May 18, 1999 , Water-type dispersion composition, Shimizu, Tatuya - Yokkaichi, Japan (JP); Sakagami, Toshinori - Suzuka, Japan (JP); Kaburaki, Mibuko - Yokkaichi, Japan (JP); Yamada, Kinji - Tsukuba, Japan (JP), 910664 (08), January 30, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., JAPAN SYNTHETIC RUBBER CO., LTD. 2-11-24, TSUKIJI, CHUO-KUTOKYO, (1), Reel and Frame Number: 008939/0147, JSR Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) , February 18, 2000 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., JSR CORPORATION TSUKIJI 2 CHO-ME 11-24CHUO-KU, TOKYO, (1), Reel and Frame Number: 010556/0135  
... 1,000 to 50,000. (b) Vinyl Type Polymer Component As the vinyl ...

80. 5902877 , May 11, 1999 , Adsorbent of interleukins, process for removing the same, and adsorber for the same, Hirai, Fumiyasu - Amagasaki, Japan (JP); Tani, Nobutaka - Osaka, Japan (JP); Yasuda, Takamune - Kobe, Japan (JP); Asahi, Takashi - Kobe, Japan (JP); Okubo, Yuji - Takasago, Japan (JP); Odawara, Osamu - Takasago, Japan (JP); Nomura, Michio - Kakogawa, Japan (JP), 646266 (08), May 20, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHIOSAKA, (1)530, Reel and Frame Number: 008062/0132, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... 100 meshes), a vinyl-type polymer gel (TOYOPEARL HW- ...

81. 5897469 , April 27, 1999 , Swing exercise device, Yalch, Theodore - 20072 CR 4126, Lindale, Texas, United States (US), 176920 (08)  
... homo and copolymers, halogenated vinyl type polymers, polyamide-imide type ...

82. 5885927 , March 23, 1999 , Receptor layer transfer sheet, thermal transfer sheet, thermal transfer method and apparatus therefor, Takahara, Hidetake - Tokyo-to, Japan (JP); Ueno, Takeshi - Tokyo-to, Japan (JP); Oshima, Katsuyuki - Tokyo-to, Japan (JP); Asajima, Mikio - Tokyo-to, Japan (JP); Yamauchi, Mineo - Tokyo-to, Japan (JP), 697135 (08), Dai Nippon Printing Co., Ltd., Tokyo-to, Japan (JP), Foreign company or corporation (03)  
... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

83. 5858604 , January 12, 1999 , Presensitized lithographic printing plate and method for preparing lithographic printing plate, Takeda, Katsuyuki - Hino, Japan (JP); Kawakami, Sota - Hino, Japan (JP); Maejima, Katsumi - Hino, Japan (JP); Nakatani, Koichi - Hino, Japan (JP); Matsumoto, Shinji - Hino, Japan (JP), 592325 (08), January 16, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2, NISHISHINJUKU 1-CHOME, SHINJUKU-KUTOKYO 163, (1), Reel and Frame Number: 008323/0039, Konica Corporation, Toyko, Japan (JP), Foreign company or corporation (03)  
... 805 (1972). With regard to the vinyl type polymer having a structure containing ...

84. 5858597 , January 12, 1999 , Toner for developing electrostatic image containing specified double oxide particles, Mizoh, Yuichi - Toride, Japan (JP); Kohtaki, Takaaki - Yokohama, Japan (JP); Mikuriya, Yushi - Kawasaki, Japan (JP); Doujo, Tadashi - Kawasaki, Japan (JP), 697877 (08), October 21, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KUTOKYO, (1), Reel and Frame Number: 008188/0241, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... binder resin comprising the vinyl type polymer or copolymer may be ...

85. 5853942 , December 29, 1998 , Tuner processes, Lin, Pinyen - Rochester, New York, United States (US), 922431 (08), September 2, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION P.O. BOX 1600 800 LONG RIDGE ROADSTAMFORD, CONNECTICUT, 06904, Reel and Frame Number: 008782/0456, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK



ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670C, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001C October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252D, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476D

... in which a crosslinked vinyl type polymer is used as the binder ...

86. 5849834 , December 15, 1998 , W/O type emulsified composition and cosmetic, Matsuzaki, Fumiaki - Yokohama, Japan (JP); Yanaki, Toshio - Yokohama, Japan (JP); Yamaguchi, Michihiro - Yokohama, Japan (JP), 814183 (08), March 10, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHISEIDO COMPANY, LTD. 5-5 GINZA 7-CHOMECHUO-KU, TOKYO, (1)104-1, Reel and Frame Number: 008434/0421, Shiseido Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... water soluble polymers are: vinyl type polymers including polyvinyl alcohol, ...

87. 5840802 , November 24, 1998 , Dual graft stage and thermally stabilized polyorganosiloxane/polyvinyl-based graft copolymers and thermoplastic compositions containing the same, DeRudder, James Louis - Mt. Vernon, Indiana, United States (US); Wang, I-Chung Wayne - Vienna, West Virginia, United States (US), 775789 (07), October 11, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., GENERAL ELECTRIC COMPANY A CORP. OF NEW YORK, Reel and Frame Number: 005888/0350, General Electric Company, Pittsfield, Massachusetts, United States (US), United States company or corporation (02)

... stages comprising a vinyl-type polymer such as a styrene/ ...

88. 5817843 , October 6, 1998 , Quinizarin compound, method for production thereof, and use therefor, Masuda, Kiyoshi - Ibaraki, Japan (JP); Tamaura, Yukie - Ibaraki, Japan (JP); Kaieda, Osamu - Ibaraki, Japan (JP), 730989 (08), Nippon Shokubai Co., Ltd., Japan (JP), Foreign company or corporation (03)

... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl alcohol, ...

89. 5817328 , October 6, 1998 , Material for buffered resorbable internal fixation devices and method for making same, Gresser, Joseph D. - Brookline, Massachusetts, United States (US); Trantolo, Debra J. - Princeton, Massachusetts, United States (US); Langer, Robert - Newton, Massachusetts, United States (US); Klibanov, Alexander M. - Newton, Massachusetts, United States (US); Wise, Donald L. - Belmont, Massachusetts, United States (US), 626521 (08), April 2, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CAMBRIDGE SCIENTIFIC, INC. 195 COMMON STREETBELMONT, MASSACHUSETTS, 02178, Reel and Frame Number: 007957/0113 April 2, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CAMBRIDGE SCIENTIFIC, INC. 195 COMMON STREETBELMONT, MASSACHUSETTS, 02178, Reel and Frame Number: 007957/0122, Cambridge Scientific, Inc., Belmont, Massachusetts, United States (US), United States company or corporation (02) , April 16, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., MUSCLETECH RESEARCH AND DEVELOPMENT, INC. 7050 TELFORD WAY15S 1V7 MISSISSAUGA, ONTARIO, (1), Reel and Frame Number: 011712/0633

... hydrolysis, such as "addition" or "vinyl-type" polymers, i.e., those polymers formed by ...

90. 5811566 , September 22, 1998 , Process for purifying a polyether, Watabe, Takashi - Yokohama, Japan (JP); Hatano, Hiroshi - Yokohama, Japan (JP); Chiba, Kazunori - Yokohama, Japan (JP); Doi, Takao - Yokohama, Japan (JP); Ueno, Toru - Yokohama, Japan (JP); Sakai, Etsuko - Yokohama, Japan (JP); Yamada, Minoru - Yokohama, Japan (JP); Saiki, Shinya - Yokohama, Japan (JP); Yamamoto, Hirotsugu - Yokohama, Japan (JP); Higuchi, Toshihiko - Yokohama, Japan (JP), 503211 (08), October 2, 1995 - ASSIGNMENT OF ASSIGNOR'S INTEREST (RE-RECORD TO CORRECT RECORDAL DATE OF 10/03/95 ON A PREVIOUSLY RECORDED DOCUMENT AT REEL 7670, FRAME 0855. RECORDAL DATE SHOULD HAVE BEEN 10/02/95.), ASAHI GLASS COMPANY LTD. CHIYODA-KU 1-2, MARUNOUCHI 2-CHOMETOKYO 100, (1), Reel and Frame Number: 008065/0430 October 2, 1995 - ASSIGNMENT OF ASSIGNOR S INTEREST (RE-RECORD TO CORRECT RECORDAL DATE OF 10/03/95 ON A PREVIOUSLY RECORDED DOCUMENT AT REEL 7670, FRAME 0855. RECORDAL DATE SHOULD HAVE BEEN 10/02/95.), ASAHI GLASS COMPANY LTD. CHIYODA-KU 1-2, MARUNOUCHI 2-



CHOMETOKYO 100, (1), Reel and Frame Number: 008065/0430 October 3, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ASAHI GLASS COMPANY LTD. 1-2, MARUNOUCHI 2-CHOMECHIYODA-KU, TOKYO 100, (1), Reel and Frame Number: 007670/0855, Asahi Glass Company Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) , February 18, 2000 - CHANGE OF CORPORATE ADDRESS, ASAHI GLASS COMPANY LTD. 12-1, YURAKUCHO 1-CHOME CHIYODA-KUTOKYO, (1), Reel and Frame Number: 010557/0067

... epoxy group-containing vinyl type polymers including, for example, an ...

91. 5773194 , June 30, 1998 , Light sensitive composition, presensitized lithographic printing plate and image forming method employing the printing plate, Hattori, Ryoji - Hino, Japan (JP); Maehashi, Tatsuichi - Hino, Japan (JP); Kuroki, Takaaki - Hino, Japan (JP); Kawakami, Sota - Hino, Japan (JP), 705134 (08), August 29, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2 NISHISHINJUKU, 1-CHOMESHINJUKU-KU, TOKYO, (1), Reel and Frame Number: 008185/0022, Konica Corporation, Japan (JP), Foreign company or corporation (03)

... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... comprising (a) a vinyl type polymer having a unit represented ...  
... in detail below. The vinyl type polymer containing a unit ...  
... hereinafter referred to as the vinyl type polymer of the invention) will be ...  
... sub.2 --O--. The vinyl type polymer of the invention preferably contains the ...  
... group). The monomer constituting the vinyl type polymer of the invention may contain the ...  
... diethylacrylamide. The molecular weight of the vinyl type polymer of the invention is preferably 5,000 to ...  
... based on the total weight of the vinyl type polymer above and a polymerizable ...  
... least (a) a vinyl type polymer of the invention, namely, a vinyl type polymer having a unit represented ...  
... Formula (1) in the vinyl type polymer of the invention contained in ...  
... for 3 hours. Thus, vinyl type polymer 1 in the invention was ...  
... for 3 hours. Thus, vinyl type polymer 2 in the invention was ...  
... for 3 hours. Thus, vinyl type polymer 4 in the invention was ...  
... sensitive solution 1 Vinyl type polymer 1 (binder 1) ( ...  
... solution 1 was changed to vinyl type polymer 2 (binder 2) ( ...  
... solution 1 was changed to vinyl type polymer 4 (binder 4) ( ...  
... sensitive solution 10 Vinyl type polymer 1 (binder 1) ( ...  
... solution 10 was changed to vinyl type polymer 2 (binder 2) ( ...  
... solution 10 was changed to vinyl type polymer 4 (binder 4) ( ...

92. 5767158 , June 16, 1998 , Endermic liniment, Suetsugu, Masaru - Yokohama, Japan (JP); Shinojima, Satoshi - Yokohama, Japan (JP); Sakamoto, Okihiko - Yokohama, Japan (JP); Asaike, Masayuki - Yokohama, Japan (JP); Shibata, Yuki - Yokohama, Japan (JP); Kaku, Rumiko - Yokohama, Japan (JP); Suehiro, Tsuneo - Yokohama, Japan (JP), 600491 (08), May 14, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SHISEIDO COMPANY LTD. 5-5 GINZA 7-CHOME, CHUO-KUTOKYO, (1)104-1, Reel and Frame Number: 007939/0364, Shiseido Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... water soluble polymers are: vinyl type polymers including polyvinyl alcohol, ...

93. 5759327 , June 2, 1998 , Mailer printing method using ethylene vinyl acetate copolymer as a dual functional coating, Chang, John C. H. - Naperville, Illinois, United States (US), 643940 (08), Wallace Computer Services, Inc., Hillside, Illinois, United States (US), United States company or corporation (02) , June 2, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., MOORE NORTH AMERICA, INC. 1 FIRST CANADIAN PLACETORONTO, ONTARIO, (1)M5X 1G5, Reel and Frame Number: 014090/0607 June 2, 2003 - SECURITY AGREEMENT, CITICORP NORTH AMERICA, INC. 388 GREENWICH STREET, 19TH FL. NEW YORK, NEW YORK, 10013,

Reel and Frame Number: 014090/0840 June 2, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., MOORE WALLACE USA LLC ONE CANTERBURY GREENSTAMFORD, CONNECTICUT, 06901, Reel and Frame Number: 014097/0652 November 17, 2003 - CORRECTIVE ASSIGNMENT TO CORRECT U.S. PATENT NO. 5,456,571. PREVIOUSLY RECORDED ON REEL 014097 FRAME 0652., MOORE WALLACE USA LLC ONE CANTERBURY GREENSTAMFORD, CONNECTICUT, 08901, Reel and Frame Number: 014128/0929 November 17, 2003 - CORRECTIVE ASSIGNMENT TO CORRECT U.S. PATENT NO. 5,456,571. PREVIOUSLY RECORDED ON REEL 014097 FRAME 0652., MOORE WALLACE USA LLC ONE CANTERBURY GREEN STAMFORD CONNECTICUT 08901, Reel and Frame Number: 014128/0929  
... Mitsuhashi discloses addition of vinyl-type polymer to toner particles to improve the ...

94. 5756580 , May 26, 1998 , Polymeric composite material, Natori, Itaru - Yokohama, Japan (JP); Imaizumi, Kimio - Kiyose, Japan (JP); Kaji, Satoru - Kurashiki, Japan (JP), 836210 (08), May 6, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ASAHI KASEI KOGYO KABUSHIKI KAISHA 2-6, DOJIMAHAMA 1-CHOME, KITA-KU, OSAKA-SHIOSAKA 530, (1), Reel and Frame Number: 008562/0575, Asahi Kasei Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... polymer, a halogenated vinyl type polymer, an ester type polymer, an ...  
... acrylonitrile and the like. The halogenated vinyl type polymer includes polyhalogenated vinyl ...  
... polymer, a halogenated vinyl type polymer, an ester type polymer, an ...

95. 5756221 , May 26, 1998 , Coating method, Horibe, Kyoichi - Hiratsuka, Japan (JP); Haneishi, Hidehiko - Hiratsuka, Japan (JP); Mitsuji, Masaru - Zama, Japan (JP); Yabuta, Motoshi - Hadano, Japan (JP); Okumura, Yasumasa - Yokohama, Japan (JP), 785600 (08), January 17, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KANSAI PAINT CO., LTD. 33-1, KANZAKI-CHO, AMAGASAKI-SHIHYOGO-KEN, (1), Reel and Frame Number: 008405/0307, Kansai Paint Co., Ltd., Hyogo-ken, Japan (JP), Foreign company or corporation (03)  
... compound, (D) a vinyl type polymer containing, in the molecule, an ...  
... compound, (D) a vinyl type polymer containing, in the molecule, an ...  
... compound, (D) a vinyl type polymer containing, in the molecule, an ...  
... compound, (D) a vinyl type polymer containing, in the molecule, an ...  
... C-1): A vinyl type polymer containing, in the molecule, ...  
... improve the compatibility of the polymer with the vinyl type polymer (D) and the reactive organopolysiloxane ( ...  
... hydrolyzable alkoxysilyl group of the vinyl type polymer (D). The introduction of hydroxyl ...  
... C), particularly preferable are the vinyl type polymer (C-1) and the half ester (C-3). Vinyl Type Polymer (D) Containing, in the ...  
... Hydrolyzable Alkoxysilyl Group The vinyl type polymer (D) used in the ...  
... cured film obtained. The vinyl type polymer (D) can generally have an ...  
... 3 mM/g. The vinyl type polymer (D) is particularly preferably an ...  
... containing compound (C), the vinyl type polymer (D) containing, in the ...  
... containing compound (C), the vinyl type polymer (D) containing, in the ...  
... KOH/g. Production of Vinyl Type Polymer (D-1) Having Epoxy ...  
... mM/g. Production of Vinyl Type Polymer (D-2) for ...  
... mM/g. Production of Vinyl Type Polymer (D-3) for ...

96. 5750200 , May 12, 1998 , Ink jet recording sheet and process for its production, Ogawa, Susumu - Tokyo, Japan (JP); Senoh, Hideaki - Tokyo, Japan (JP); Andoh, Masaru - Tokyo, Japan (JP); Nomura, Hideki - Tokyo, Japan (JP), 689913 (08), Mitsubishi Paper Mills Limited, Tokyo, Japan (JP), Foreign company or corporation (03)  
... acid ester; a vinyl-type polymer latex such as an ethylene- ...  
... acid ester; a vinyl-type polymer latex such as an ethylene- ...

97. 5726122 , March 10, 1998 , Thermal transfer image receiving sheet, production process therefor and thermal transfer sheet, Saito, Hitoshi - Tokyo-to, Japan (JP); Imoto, Kazunobu - Tokyo-to, Japan (JP); Ueno, Takeshi - Tokyo-to, Japan (JP); Oshima, Katsuyuki - Tokyo-to, Japan (JP); Yamauchi, Mineo - Tokyo-to, Japan (JP); Eguchi, Hiroshi - Tokyo-to, Japan (JP); Sato, Hideaki - Tokyo-to, Japan (JP); Fujimura, Hideo - Tokyo-to, Japan (JP); Asajima, Mikio - Tokyo-to, Japan (JP), 731883 (08), Dai Nippon Printing Co., Ltd., Japan (JP), Foreign company or corporation (03)  
... copolymer, and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

98. 5723253 , March 3, 1998 , Light-sensitive composition and light-sensitive lithographic printing plate containing o-quinonediazide compound, novolak resin, polymer and enclosure compound, Higashino, Katuhiko - Tokyo, Japan (JP); Ohta, Tomohisa - Tokyo, Japan (JP); Matsubara, Shinichi - Tokyo, Japan (JP), 567101 (08), December 4, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2, NISHI-SHINJUKU 1-CHOME, SHINJUKU-KUTOKYO, (1), MITSUBISHI CHEMICAL CORPORATION 5-2, MARUNOUCHI 2-CHOME, CHIYODA-KUTOKYO, (1), Reel and Frame Number: 007804/0474 December 4, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2, NISHI-SHINJUKU 1-CHOMESHINJUKU-KU, TOKYO, (1), MITSUBISHI CHEMICAL CORPORATION 5-2, MARUNOUCHI 2-CHOME, CHIYODA-KUTOKYO, (1), Reel and Frame Number: 008716/0748, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) Mitsubishi Chemical Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... novolak resin, a vinyl type polymer having a phenolic hydroxyl ...  
... by weight). Further, the vinyl type polymer having a phenolic hydroxyl ...  
... unsubstituted naphthylene group. The vinyl type polymer having the above phenolic hydroxyl ...  
... random state. As the vinyl type polymer having a phenolic hydroxyl ...

99. 5707791 , January 13, 1998 , Silver halide photographic light-sensitive material, Ito, Mineko - Hino, Japan (JP); Saito, Koichi - Hino, Japan (JP); Uehara, Chieko - Hino, Japan (JP), 585488 (08), January 16, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2 NISHISHINJUKU 1-CHOMESHINJUKU-KU, TOKYO, (1), Reel and Frame Number: 007858/0428, Konica Corporation, Japan (JP), Foreign company or corporation (03)

... composition each having a vinyl type polymer as the constitutional element thereof. These ...  
... type monomers is also formed. However, the vinyl type polymer formed thereby is allowed to remain ...  
... dispersible polyester and a vinyl type polymer as the constitutional elements, it is ...

100. 5699136 , December 16, 1997 , Negative uniaxial anisotropic element and method for manufacturing the same, Arakawa, Kohei - Minami-Ashigara, Japan (JP); Nishiura, Yosuke - Minami-Ashigara, Japan (JP); Ito, Yoji - Minami-Ashigara, Japan (JP), 443313 (08), September 18, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. NO. 210 NAKANUMA, MINAMI-ASHIGARA-SHIKANAGAWA, (1)250-0, Reel and Frame Number: 007678/0917, Fuji Photo Film Co., Ltd., Minami-Ashigara, Japan (JP), Foreign company or corporation (03)

... macromolecule, it is preferable to use vinyl type polymer, polysiloxane, polypeptide, polyphosphagen, ...

101. 5697922 , December 16, 1997 , Delivery device having encapsulated excipients, Thombre, Avinash G. - Dover, New Jersey, United States (US), 424476 (08), Pfizer Inc., New York, New York, United States (US), United States company or corporation (02)

... types include olefin and vinyl-type polymers, condensation-type polymers, ...

102. 5695902 , December 9, 1997 , Toner for developing electrostatic image, image forming method and process-cartridge, Mikuriya, Yushi - Kawasaki, Japan (JP); Mizoh, Yuichi - Toride, Japan (JP); Doujo, Tadashi - Kawasaki, Japan (JP), 749635 (08), March 4, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KUTOKYO, (1), Reel and Frame Number: 008383/0979, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... binder resin comprising the vinyl type polymer or copolymer may be ...

103. 5688625 , November 18, 1997 , Toner compositions with dispersed wax, Bertrand, Jacques C. - Ontario, New York, United States (US), 606927 (08), February 26, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD, P.O. BOX 1600STAMFORD, CONNECTICUT, 06904, Reel and Frame Number: 007893/0541, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670C, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001C October 31, 2003 -

SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C  
... in which a crosslinked vinyl type polymer is used as the binder ...

104. 5679453 , October 21, 1997 , Film containing organic particles, Konagaya, Shigeji - Tsuruga, Japan (JP); Nishino, Yasuhiro - Tsuruga, Japan (JP); Ohashi, Hideto - Tsuruga, Japan (JP), 538617 (08), Toyo Boseki Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03) Nippon Magphane Co. Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... linked polymer is a vinyl type polymer or a siloxane type ...

... linked polymer is a vinyl type polymer or a siloxane type ...

... linked polymer is a vinyl type polymer or a siloxane type ...

105. 5677101 , October 14, 1997 , Light-sensitive lithographic printing plate having a light sensitive layer comprising a clathrate compound, Noguchi, Kazuo - Hino, Japan (JP); Fukumuro, Kaori - Hino, Japan (JP); Matsubara, Shinichi - Hino, Japan (JP); Koya, Yoshihiro - Yokohama, Japan (JP); Tomiyasu, Hiroshi - Yokohama, Japan (JP); Kajiware, Shigeru - Yokohama, Japan (JP), 491731 (08), July 18, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2, NISHI-SHINJUKU 1-CHOME, SHINJUKU-KUTOKYO, (1), Reel and Frame Number: 007584/0492, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... novolak resin, a vinyl type polymer or copolymer having a phenolic ...

106. 5674930 , October 7, 1997 , Thermoplastic resin compositions, Sugiura, Motoyuki - Aichi, Japan (JP); Ohara, Kazumine - Aichi, Japan (JP), 582739 (08), January 4, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NOF CORPORATON 10-1, YURAKU-CHO 1-CHOME, CHIYODA-KUTOKYO, (1)100, Reel and Frame Number: 007895/0747, NOF Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... made to admix a vinyl type polymer, for example, polystyrene with ...

107. 5668234 , September 16, 1997 , Reaction injection molding (RIM) of methyl (meth)acrylate and related monomers using group-4 catalysts, Rhodes, Larry Funderburk - 3036 Vincent Rd., Silver Lake, Ohio, United States (US); Goodall, Brian Leslie - 3959 Clover Hill Rd., Akron, Ohio, United States (US); Collins, Scott - Apt. 9, 586 Victoria St., Kitchener, Ontario, Canada (CA), 304720 (08), July 18, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., B.F. GOODRICH COMPANY, THE 4 COLISEUM CENTRE, 2730 WEST TYVOLA ROADCHARLOTTE, NORTH CAROLINA, 28217, Reel and Frame Number: 010984/0317 October 18, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CYMETECH, LLC 7629 STATE HIGHWAY 75 SOUTH HUNTSVILLE, TEXAS, 77324, Reel and Frame Number: 011238/0481

... 258808, "Methods of Producing Vinyl-Type Polymers," Akira Nakamura, Hajime ...

108. 5635328 , June 3, 1997 , Light-sensitive lithographic printing plate utilizing o-quinone diazide light-sensitive layer containing cyclic clathrate compound, Higashino, Katuhiko - Hino, Japan (JP); Fukumuro, Kaori - Hino, Japan (JP); Matsubara, Shinichi - Hino, Japan (JP); Sasaki, Mitsuru - Yokohama, Japan (JP); Ohta, Katsuko - Yokohama, Japan (JP); Matsuo, Fumiyuki - Yokohama, Japan (JP), 291197 (08), January 17, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2, NISHI-SHINJUKU 1-CHOME SHINJUKU-KU, TOKYO, JAPAN, MITSUBISHI CHEMICAL CORPORATION 5-2, MARUNOUCHI 2-CHOME CHIYODA-KU, TOKYO, JAPAN, Reel and Frame Number: 007295/0734, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) Mitsubishi Chemical Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... novolak resin, a vinyl type polymer having a phenolic hydroxyl ...

... by weight. Further, the vinyl type polymer having a phenolic hydroxyl ...

... unsubstituted naphthylene group. The vinyl type polymer having the above phenolic hydroxyl ...

... block or random state. The vinyl type polymer having a phenolic hydroxyl ...

... by weight. The above vinyl type polymers having a phenolic hydroxyl ...

109. 5614350 , March 25, 1997 , Photosensitive transfer material and method of image formation using the same, Ito, Hideaki - Shizuoka, Japan (JP); Iwasaki, Masayuki - Shizuoka, Japan (JP), 544871 (08), October 18, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. 210, NAKANUMA, MINAMIASHIGARA-SHI, KANAGAWA, (1), Reel and Frame Number: 007745/0244, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)  
... nitrocellulose and cellulose acetate, vinyl type polymers of vinyl chloride, vinylidene ...

110. 5612766 , March 18, 1997 , Device for regenerating printed sheet-like recording medium, Iida, Toru - Iaira-machi, Japan (JP); Ohashi, Michihito - Kawasaki, Japan (JP); Sakai, Yoshihiro - Tokyo, Japan (JP); Kuramoto, Shin-ichi - Numazu, Japan (JP); Chiba, Shunichi - Kawasaki, Japan (JP); Asahina, Yasuo - Numazu, Japan (JP); Tomita, Junko - Tokyo, Japan (JP), 421880 (08), Ricoh Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... as the monomer. The polymer of the such vinyl type polymer may be a ...

111. 5608091 , March 4, 1997 , Quinizarin compound, method for production thereof, and use therefor, Masuda, Kiyoshi - Ibaraki, Japan (JP); Tamaura, Yukie - Ibaraki, Japan (JP); Kaieda, Osamu - Ibaraki, Japan (JP), 316244 (08), May 22, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIPPON SHOKUBAI CO., LTD. CHUO-KU, OSAKA-SHI 1-1, KORAIBASHI 4-CHOME OSAKA-FU, (1), Reel and Frame Number: 007539/0889, Nippon Shokubai Co., Ltd., Osaka-fu, Japan (JP), Foreign company or corporation (03)  
... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl alcohol, ...

112. 5593939 , January 14, 1997 , Thermal transfer image receiving sheet, production process therefor and thermal transfer sheet, Saito, Hitoshi - Tokyo, Japan (JP); Imoto, Kazunobu - Tokyo, Japan (JP); Ueno, Takeshi - Tokyo, Japan (JP); Oshima, Katsuyuki - Tokyo, Japan (JP); Yamauchi, Mineo - Tokyo, Japan (JP); Eguchi, Hiroshi - Tokyo, Japan (JP); Sato, Hideaki - Tokyo, Japan (JP); Fujimura, Hideo - Tokyo, Japan (JP); Asajima, Mikio - Tokyo, Japan (JP), 281453 (08), Dai Nippon Printing Co., Ltd., Japan (JP), Foreign company or corporation (03)  
... copolymer, and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

113. 5589434 , December 31, 1996 , Receptor layer transfer sheet, thermal transfer sheet, thermal transfer method and apparatus therefor, Takahara, Hidetake - Tokyo-to, Japan (JP); Ueno, Takeshi - Tokyo-to, Japan (JP); Oshima, Katsuyuki - Tokyo-to, Japan (JP); Asajima, Mikio - Tokyo-to, Japan (JP); Yamauchi, Mineo - Tokyo-to, Japan (JP), 399845 (08), Dai Nippon Printing Co., Ltd., Tokyo-to, Japan (JP), Foreign company or corporation (03)  
... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

114. 5576088 , November 19, 1996 , Ink jet recording sheet and process for its production, Ogawa, Susumu - Tokyo, Japan (JP); Senoh, Hideaki - Tokyo, Japan (JP); Andoh, Masaru - Tokyo, Japan (JP); Nomura, Hideki - Tokyo, Japan (JP), 417784 (08), June 6, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., MITSUBISHI PAPER MILLS LIMITED CHIYODA-KU 4-2, MARUNOUCHI 3-CHOME TOKYO, (1)100, Reel and Frame Number: 007493/0758, Mitsubishi Paper Mills Limited, Tokyo, Japan (JP), Foreign company or corporation (03)  
... acid ester; a vinyl-type polymer latex such as an ethylene- ...  
... acid ester; a vinyl-type polymer latex such as an ethylene- ...

115. 5571655 , November 5, 1996 , Toner reactive melt mixing process, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Hawkins, Michael S. - Cambridge, Canada (CA); Allison, Gerald R. - Oakville, Canada (CA); Kao, Sheau V. - Oakville, Canada (CA); Gerroir, Paul J. - Oakville, Canada (CA); Ro, Nam S. - Mississauga, Canada (CA); Agur, Enno E. - Toronto, Canada (CA), 425014 (08), April 17, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION P.O. BOX 1600 800 LONG RIDGE ROAD STAMFORD, CONNECTICUT, 06904, Reel and Frame Number: 007610/0787, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558 HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY

AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C

... example, a crosslinked vinyl type polymer prepared using conventional ...

116. 5558979 , September 24, 1996 , Silver halide photographic material, Ishigaki, Kunio - Kanagawa, Japan (JP); Naoi, Takashi - Kanagawa, Japan (JP), 392329 (08), February 22, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. 210, NAKANUMA, MINAMI ASHIGARA-SHI KANAGAWA, JAPAN, Reel and Frame Number: 007386/0934, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... sulfone, polyimides, halogenated vinyl type polymers such as Teflon, acrylic ...

117. 5556732 , September 17, 1996 , Processes for preparing toners with selectable gloss, Chow, Che C. - Penfield, New York, United States (US), 453177 (08), May 30, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD, P.O. BOX 1600STAMFORD, CONNECTICUT, 06904, Reel and Frame Number: 007513/0481, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670C, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001C October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C

... a cross-linked vinyl type polymer prepared using conventional ...

118. 5545459 , August 13, 1996 , Business forms having dual-functional coating, Chang, John C. H. - Naperville, Illinois, United States (US), 375706 (08), January 20, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., WALLACE COMPUTER SERVICES, INC. 4600 W. ROOSEVELT ROAD HILLSIDE, IL 60162, Reel and Frame Number: 007318/0765, Wallace Computer Services, Inc., Hillside, Illinois, United States (US), United States company or corporation (02) , June 2, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., MOORE NORTH AMERICA, INC. 1 FIRST CANADIAN PLACETORONTO, ONTARIO, (1)M5X 1G5, Reel and Frame Number: 014090/0607 June 2, 2003 - SECURITY AGREEMENT, CITICORP NORTH AMERICA, INC. 388 GREENWICH STREET, 19TH FL. NEW YORK, NEW YORK, 10013, Reel and Frame Number: 014090/0840 June 2, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., MOORE WALLACE USA LLC ONE CANTERBURY GREENSTAMFORD, CONNECTICUT, 06901, Reel and Frame Number: 014097/0652 November 17, 2003 - CORRECTIVE ASSIGNMENT TO CORRECT U.S. PATENT NO. 5,456,571. PREVIOUSLY RECORDED ON REEL 014097 FRAME 0652., MOORE WALLACE USA LLC ONE CANTERBURY GREENSTAMFORD, CONNECTICUT, 08901, Reel and Frame Number: 014128/0929 November 17, 2003 - CORRECTIVE ASSIGNMENT TO CORRECT U.S. PATENT NO. 5,456,571. PREVIOUSLY RECORDED ON REEL 014097 FRAME 0652., MOORE WALLACE USA LLC ONE CANTERBURY GREEN STAMFORD CONNECTICUT 08901, Reel and Frame Number: 014128/0929

... Mitsubishi discloses addition of vinyl-type polymer to toner particles to improve the ...

119. 5545381 , August 13, 1996 , Device for regenerating printed sheet-like recording medium, Iida, Toru - Tokyo, Japan (JP); Ohashi, Michihito - Kawasaki, Japan (JP); Sakai, Yoshihiro - Tokyo, Japan (JP); Kuramoto, Shin-ichi - Numazu, Japan (JP); Chiba, Shunichi - Kawasaki, Japan (JP); Asahina, Yasuo - Numazu, Japan (JP); Tomita, Junko - Tokyo, Japan (JP), 828710 (07), August 24, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., RICOH COMPANY, LTD. 3-6, 1-CHOMENAKAMAGOME, OTA-KU, TOKYO, (1), Reel and Frame Number: 006243/0318, Ricoh Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... as the monomer. The polymer of the such vinyl type polymer may be a ...

120. 5539051 , July 23, 1996 , Resin composition for coating and paint, Satou, Kuniaki - Ibaraki, Japan (JP); Mamiya, Tsutomu - Ibaraki, Japan (JP); Amano, Takashi - Ibaraki, Japan (JP); Hironaka, Akira - Tokushima, Japan (JP), 136246 (08), October 15, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).,

HITACHI CHEMICAL CO., LTD. 2-1-1, NISHI-SHINJUKU, SHINJUKU-KU, TOKYO JAPAN, Reel and Frame Number: 006734/0112, Hitachi Chemical Company Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) ... composition using a vinyl type polymer having a hydrolizable silyl ...

121. 5536613 , July 16, 1996 , Processes for preparing toner, Chang, Hui - Tokyo, Japan (JP); Chung, Joo T. - Mt. View, California, United States (US); Leonardo, Joseph L. - Penfield, New York, United States (US); Agur, Enno E. - Toronto, Canada (CA); Ianni, John J. - Medina, New York, United States (US); Thomas, Allison G. - Rochester, New York, United States (US); Flannery, Linda A. - Webster, New York, United States (US), 393606 (08), February 23, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD POST OFFICE BOX 1600 STAMFORD, CONNECTICUT 06904-1600, Reel and Frame Number: 007373/0211, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C ... in which a crosslinked vinyl type polymer is used as the binder ...

122. 5518850 , May 21, 1996 , Unsaturated polyesters with vinyl side chains, Bayley, Robert D. - Fairport, New York, United States (US); Fox, Carol A. - Farmington, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Paxson, James R. - Walworth, New York, United States (US); Nelson, Robert A. - Webster, New York, United States (US), 316345 (08), September 30, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT 06904-1600, Reel and Frame Number: 007146/0476, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C ... al. where a crosslinked vinyl type polymer prepared using conventional ...

123. 5508064 , April 16, 1996 , Method for matting a recording material and atomizing device therefor, Naruse, Yasuhito - Shizuoka, Japan (JP), 168127 (08), February 17, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. 210 NAKANUMA, MINAMI-ASHIGARA-SHI KANAGAWA-KEN, JAPAN, Reel and Frame Number: 006904/0742, Fuji Photo Films Co., Ltd., Minami-Ashigara, Japan (JP), Foreign company or corporation (03) ... acid or itaconic acid; vinyl type polymers, such as polyvinyl alcohol, ...

124. 5504272 , April 2, 1996 , Magnetic toner having defined particle distribution, Uchiyama, Masaki - Ichikawa, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Akashi, Yasutaka - Yokohama, Japan (JP); Taya, Masaaki - Kawasaki, Japan (JP); Unno, Makoto - Tokyo, Japan (JP), 246754 (08), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03) ... can be prepared from vinyl-type polymers having one of the following monomers. ...

125. 5491020 , February 13, 1996 , Molded boards of calcium silicate and process for producing the same, Ide, Tsutomu - Mie, Japan (JP); Hamada, Suguru - Gifu, Japan (JP), 338797 (08), Kabushiki Kaisha Osaka Packing Seizosho, Osaka, Japan (JP), Foreign company or corporation (03) , August 8, 1996 - CHANGE OF NAME (SEE DOCUMENT FOR

DETAILS)., JAPAN INSULATION CO., LTD. 1-6, DAIKOKU 1-CHOMENANIWA-KU, OSAKA-SHI, (1), Reel and Frame Number: 008067/0562

... proposed to incorporate a vinyl-type polymer, natural or synthetic rubber of ...

... chloride resins and like vinyl-type polymers, natural rubbers, styrene- ...

126. 5486927 , January 23, 1996 , Digital image forming apparatus using subdivided pixels, Koizumi, Noboru - Tokyo, Japan (JP); Haneda, Satoshi - Tokyo, Japan (JP); Ichihara, Yoshiyuki - Tokyo, Japan (JP); Hasebe, Takashi - Tokyo, Japan (JP); Niitsuma, Tetsuya - Tokyo, Japan (JP), 927746 (07), August 10, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., KONICA CORPORATION A CORP. OF JAPAN 26-2 NISHISHINJUKU 1-CHOME, SHINJUKU-KUTOKYO, (1), Reel and Frame Number: 006239/0804, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... in general. (1) Vinyl type polymer such as polyvinyl alcohol ( ...

127. 5486444 , January 23, 1996 , Polyester processes for the preparation of toner, Bayley, Robert D. - Fairport, New York, United States (US); Fox, Carol A. - Farmington, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Paxson, James R. - Walworth, New York, United States (US); Grushkin, Bernard - Pittsford, New York, United States (US), 297353 (08), August 29, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CONNECTICUT 06904-1600, Reel and Frame Number: 007134/0427, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C ... in which a crosslinked vinyl type polymer is used as the binder ...

128. 5476747 , December 19, 1995 , Silver halide light-sensitive photographic material, Yoshida, Kazuhiro - Hino, Japan (JP); Sampei, Takeshi - Hino, Japan (JP); Takabayashi, Toshiyuki - Hino, Japan (JP), 367015 (08), December 29, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2 NISHISHINJUKU 1-CHOME, SHINJUKU-KU, TOKYO, JAPAN, Reel and Frame Number: 007302/0772, Konica Corporation, Japan (JP), Foreign company or corporation (03)

... polycondensation polymer and a vinyl type polymer. The polycondensation polymer includes ...

... properties, however, polyester or a vinyl type polymer is preferable in view of ...

129. 5462806 , October 31, 1995 , Plastic lens, Konishi, Toshio - Tokyo, Japan (JP); Horibe, Toshihiko - Kanagawa, Japan (JP); Yashiro, Toru - Kanagawa, Japan (JP); Watanabe, Kouji - Kanagawa, Japan (JP); Shuin, Toshiya - Kanagawa, Japan (JP), 243830 (08), May 17, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NIKON CORPORATION 2-3, MARUNOUCHI 3-CHOME CHIYODA-KUTOKYO, (1), Reel and Frame Number: 007003/0991, Nikon Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... resins, nitrogen-containing vinyl type polymer resins, amino type ...

130. 5453349 , September 26, 1995 , Package of photographic light-sensitive film, Takada, Masahito - Hino, Japan (JP); Yajima, Takatoshi - Hino, Japan (JP); Kobayashi, Hideyuki - Hino, Japan (JP), 269196 (08), June 30, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 26-2 NISHISHINJUKU 1-CHOME SHINJUKU-KU, TOKYO, 163, JAPAN, Reel and Frame Number: 007068/0338, Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... for example; a vinyl type polymer or copolymer such as a ...



131. 5438098 , August 1, 1995 , Thermoplastic resin composition, Orikasa, Yuichi - Yokohama, Japan (JP); Sakazume, Suehiro - Fujisawa, Japan (JP), 189517 (08), Nippon Petrochemicals Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) Nippon Oil & Fats Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... by weight of a vinyl-type polymer or copolymer obtained from at least ...  
... mixtures thereof. Typical examples of the vinyl-type polymer or copolymer in the compatibilizer ...  
... methacrylonitrile monomers are preferred. The vinyl-type polymer or copolymer obtained from an aromatic ...  
... copolymer matrix or a vinyl-type polymer or copolymer matrix in which another vinyl-type polymer or copolymer, or epoxy group- ...  
... be improved sufficiently. The vinyl-type polymer or copolymer in the compatibilizer ...  
... olefin copolymer. Therefore, the content of the vinyl-type polymer or copolymer is 95 to 5% ...  
... improved. Further, when the amount of vinyl-type polymer or copolymer is in a ...  
... containing olefin copolymer or the vinyl-type polymer or copolymer may be ...

132. 5424267 , June 13, 1995 , Receptor layer transfer sheet, thermal transfer sheet, thermal transfer method and apparatus therefor, Takahara, Hidetake - Shinjuku, Japan (JP); Ueno, Takeshi - Shinjuku, Japan (JP); Oshima, Katsuyuki - Shinjuku, Japan (JP); Asajima, Mikio - Shinjuku, Japan (JP); Yamauchi, Mineo - Shinjuku, Japan (JP), 103360 (08), Dai Nippon Printing Co., Ltd., Tokyo-to, Japan (JP), Foreign company or corporation (03)  
... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

133. 5414052 , May 9, 1995 , Processes for preparing toner, Mahabadi, Hadi K. - Toronto, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Chang, Hui - Pittsford, New York, United States (US); Allison, Gerald R. - Oakville, Canada (CA); Hawkins, Michael S. - Cambridge, Canada (CA); Chung, Joo T. - Penfield, New York, United States (US), 064773 (08), May 21, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT 06904-1600, Reel and Frame Number: 006555/0537 May 21, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT 06904-1600, Reel and Frame Number: 006555/0539, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C  
... in which a crosslinked vinyl type polymer is used as the binder ...

134. 5411793 , May 2, 1995 , Molded boards of calcium silicate and process for producing the same, Ide, Tsutomu - Mie, Japan (JP); Hamada, Suguru - Gifu, Japan (JP); Kawai, Masahiro - Hajima, Japan (JP), 013215 (08), Kabushiki Kaisha Osaka Packing Seizosho, Osaka, Japan (JP), Foreign company or corporation (03) , August 8, 1996 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., JAPAN INSULATION CO., LTD. 1-6, DAIKOKU 1-CHOME, NANIWA-KUOSAKA-SHI, (1), Reel and Frame Number: 008376/0947  
... proposed to incorporate a vinyl-type polymer, natural or synthetic rubber of ...  
... chloride resins and like vinyl-type polymers, natural rubbers, styrene- ...

135. 5401602 , March 28, 1995 , Reactive melt mixing process for preparing cross-linked toner resins and toners therefrom, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Allison, Gerald R. - Oakville, Canada (CA); Hawkins, Michael S. - Mississauga, Canada (CA); Drappel, Stephan - Toronto, Canada (CA); McDougall, Maria N. V. - Burlington, Canada (CA); Grushkin, Bernard - Pittsford, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Barbetta, Angelo J. - Penfield, New York, United States (US), 035609 (08), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK

ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C

... a cross-linked vinyl type polymer prepared using conventional ...

136. 5397671 , March 14, 1995 , Processes for preparing crosslinked resins and toner compositions therefrom, Bayley, Robert D. - Fairport, New York, United States (US); Fox, Carol A. - Farmington, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US), 194438 (08), February 10, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT 06904-1600, Reel and Frame Number: 006883/0813, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C  
... example, a crosslinked vinyl type polymer prepared using conventional ...

137. 5395723 , March 7, 1995 , Low gloss, low melt cross-linked toner resins, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Dalal, Edul N. - Webster, New York, United States (US), 953617 (07), September 30, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CT. 06904-1600, Reel and Frame Number: 006288/0760 September 30, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CONNECTICUT 06904-1600, Reel and Frame Number: 006288/0762, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252C, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476C  
... a cross-linked vinyl type polymer, prepared using conventional ...

138. 5389487 , February 14, 1995 , Image forming process, image-forming apparatus, apparatus unit, and facsimile apparatus, Kawakami, Hiroaki - Kawasaki, Japan (JP); Doi, Shinji - Kawasaki, Japan (JP); Nozawa, Keita - Yokohama, Japan (JP); Fujiwara, Masatsugu - Yokohama, Japan (JP); Jimbo, Masashi - Asaka, Japan (JP), 237409 (08), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... amino-group-containing vinyl type polymers, and polyamine resins such as ...

139. 5384224 , January 24, 1995 , Toner for developing electrostatic image, Tanikawa, Hirohide - Yokohama, Japan (JP); Kawakami, Hiroaki - Yokohama, Japan (JP); Fujiwara, Masatsugu - Yokohama, Japan (JP); Jinbo, masashi - Asaka, Japan (JP); Onuma, Tsutomu - Kawasaki, Japan (JP), 026002 (08), May 26, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU TOKYO, JAPAN, Reel and Frame Number: 006594/0746, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... in the case of a vinyl-type polymer, may be synthesized ...

140. 5382494 , January 17, 1995 , Silver halide photographic light-sensitive material having excellent transporting ability, Kudo, Ichiro - Hino, Japan (JP); Michihata, Isamu - Hino, Japan (JP); Kurachi, Yasuo - Hino, Japan (JP), 201533 (08), February 25, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., KONICA CORPORATION 1 SAKURA-MACHI, HINO-SHI TOKYO, JAPAN, Reel and Frame Number: 006897/0365, Konica Corporation, Japan (JP), Foreign company or corporation (03)

... for example, a vinyl type polymer or the copolymer thereof such as a ...

141. 5380459 , January 10, 1995 , Liquid crystal display device with improved viewing angle dependence of color, Kanemoto, Akihiko - Yokohama, Japan (JP); Iimura, Haruo - Yokohama, Japan (JP); Takiguchi, Yasuyuki - Kawasaki, Japan (JP), 687502 (07), September 1, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., RICOH COMPANY, LTD. 3-6, 1-CHOME NAKAMAGOME, OTA-KUTOKYO, (1), Reel and Frame Number: 006258/0728, Ricoh Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... In view of these, a vinyl type polymer having multiple bonds only ...

142. 5376494 , December 27, 1994 , Reactive melt mixing process for preparing cross-linked toner resin, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Allison, Gerald R. - Oakville, Canada (CA); Hawkins, Michael S. - Mississauga, Canada (CA); Drappel, Stephan - Toronto, Canada (CA); McDougall, Maria N. V. - Burlington, Canada (CA); Grushkin, Bernard - Pittsford, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Barbetta, Angelo J. - Penfield, New York, United States (US), 814641 (07), February 28, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, A CORP. OF NYSTAMFORD, CONNECTICUT, Reel and Frame Number: 006039/0672, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B

... a cross-linked vinyl type polymer prepared using conventional ...

143. 5356853 , October 18, 1994 , Thermal transfer image receiving sheet, production process therefor and thermal transfer sheet, Ueno, Takeshi - Tokyo, Japan (JP); Yamauchi, Mineo - Tokyo, Japan (JP); Asajima, Mikio - Tokyo, Japan (JP); Oshima, Katsuyuki - Tokyo, Japan (JP), 755116 (07), November 7, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., DAI NIPPON PRINTING CO., LTD. 1-1 ICHIGAYA-KAGACHO 1-CHOME, SHINJUKU-KUTOKYO-TO, (1), Reel and Frame Number: 005914/0985, Dai Nippon Printing Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... copolymer, and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

144. 5352556 , October 4, 1994 , Toners having cross-linked toner resins, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Allison, Gerald R. - Oakville, Canada (CA); Hawkins, Michael S. - Mississauga, Canada (CA); Drappel, Stephan - Toronto, Canada (CA); McDougall, Maria N. V. - Burlington, Canada (CA); Grushkin, Bernard - Pittsford, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Barbetta, Angelo J. - Penfield, New York, United States (US), 035398 (08), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B

... a cross-linked vinyl type polymer is used as the binder ...

145. 5351109 , September 27, 1994 , Magnetic brush for charging and cleaning an imaging surface, Haneda, Satoshi - Hachioji, Japan (JP), 976686 (07), Konica Corporation, Japan (JP), Foreign company or corporation (03)  
... for electrophotography. (1) Vinyl type polymer such as polyvinyl alcohol ( ...

146. 5344737 , September 6, 1994 , Polywax toner compositions and processes, Berkes, John S. - Webster, New York, United States (US); Grushkin, Bernard - Pittsford, New York, United States (US); Smith, Thomas W. - Penfield, New York, United States (US), 022217 (08), February 25, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 1600 STAMFORD, CONNECTICUT, 06904, Reel and Frame Number: 006950/0031, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670B, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631 CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001B October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558 HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558 HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B  
... in which a crosslinked vinyl type polymer is used as the binder ...

147. 5338894 , August 16, 1994 , Image forming method with improved development, Uchiyama, Masaki - Ichikawa, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Akashi, Yasutaka - Yokohama, Japan (JP); Taya, Masaaki - Kawasaki, Japan (JP); Unno, Makoto - Tokyo, Japan (JP), 763253 (07), December 16, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA A CORP. OF JAPAN 30-2 SHIMOMARUKO, OHTA-KUTOKYO, (1), Reel and Frame Number: 005950/0981, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... can be prepared from vinyl-type polymers having one of the following monomers. ...

148. 5310812 , May 10, 1994 , Binder resin for a toner for developing electrostatic images, and process for production thereof, Yasuda, Satoshi - Matsudo, Japan (JP); Sakashita, Kiichiro - Inagi, Japan (JP); Mitsuhashi, Yasuo - Yokohama, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Aita, Shuichi - Toride, Japan (JP); Nagai, Yoshinobu - Kohbe, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP), 986259 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... complexes of EDTA, acetylacetone, vinyl type polymers containing amino group, ...  
... higher fatty acids and vinyl type polymers having amino group are preferred. ( ...

149. 5296538 , March 22, 1994 , Thermoplastic resin composition, Orikasa, Yuichi - Yokohama, Japan (JP); Sakazume, Suehiro - Fujisawa, Japan (JP), 857472 (07), March 25, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., NIPPON PETROCHEMICALS CO., LTD. 1-3-1, UCHISAIWAICHI, CHIYODA-KUTOKYO, (1), NIPPON OIL & FATS CO., LTD. 1-10-1, YURAKUCHO, CHIYODA-KUTOKYO, (1), Reel and Frame Number: 006074/0815, Nippon Petrochemicals Co., Ltd., both of, Japan (JP), Foreign company or corporation (03) Nippon Oil Fats Co., Ltd., both of, Japan (JP), Foreign company or corporation (03)  
... by weight of a vinyl-type polymer or copolymer obtained from at least ...  
... mixtures thereof. Typical examples of the vinyl-type polymer or copolymer in the compatibilizer ...  
... methacrylonitrile monomers are preferred. The vinyl-type polymer or copolymer obtained from an aromatic ...  
... copolymer matrix or a vinyl-type polymer or copolymer matrix in which another vinyl-type polymer or copolymer, or epoxy group- ...  
... be improved sufficiently. The vinyl-type polymer or copolymer in the compatibilizer ...  
... olefin copolymer. Therefore, the content of the vinyl-type polymer or copolymer is 95 to 5% ...  
... improved. Further, when the amount of vinyl-type polymer or copolymer is in a ...  
... containing olefin copolymer or the vinyl-type polymer or copolymer may be ...

150. 5296443 , March 22, 1994 , Thermal transfer image receiving sheet, Suto, Kenichiro - Tokyo, Japan (JP), 842013 (07), April 24, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., DAI NIPPON PRINTING CO., LTD. 1-1,

ICHIGAYA-KAGACHO 1-CHOME SHINJUKU-KU, TOKYO, JAPAN, Reel and Frame Number: 006110/0604, Dai Nippon Printing Co., Ltd., Japan (JP), Foreign company or corporation (03)  
... chloride, and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

151. 5294401 , March 15, 1994 , Membrane type of oxygenator and method for production thereof, Hagiwara, Kazuhiko - Fuji, Japan (JP), 966573 (07), Terumo Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... block of a desired vinyl type polymer which may be homopolymer, ...

... by preparing a vinyl type polymer destined to serve as ...

... polymerizing a perfluoroacrylate with the vinyl type polymer. Further, the surface of the gas- ...

152. 5292914 , March 8, 1994 , Organic peroxide and use thereof, Suyama, Shuji - Aichi, Japan (JP); Nakamura, Tomoyuki - Aichi, Japan (JP); Nagai, Hiroyuki - Aichi, Japan (JP); Takei, Mieko - Handa, Japan (JP), 084174 (08), August 19, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NOF CORPORATION 10-1 YURAKUCHO 1 CHOME CHIYODA-KU, TOKYO, JAPAN, Reel and Frame Number: 006652/0950, NOF Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... polymer, particularly a vinyl type polymer, exhibiting high strength and ...

153. 5260256 , November 9, 1993 , Receptor layer transfer sheet, thermal transfer sheet, thermal transfer method and apparatus therefor, Takahara, Hidetake - Shinjuku, Japan (JP); Ueno, Takeshi - Shinjuku, Japan (JP); Oshima, Katsuyuki - Shinjuku, Japan (JP); Asajima, Mikio - Shinjuku, Japan (JP); Yamauchi, Mineo - Shinjuku, Japan (JP), 735871 (07), September 19, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., DAI NIPPON PRINTING CO., LTD. 1-1, ICHIGAYA-KAGACHO 1-CHOME, SHINJUKU-KU, TOKYO-TO, JAPAN, Reel and Frame Number: 005860/0906, Dai Nippon Printing Co., Ltd., Japan (JP), Foreign company or corporation (03)

... chloride and polyvinylidene chloride; vinyl type polymers such as polyvinyl acetate and ...

154. 5244734 , September 14, 1993 , Fine cellulose particles and process for production thereof, Okuma, Shigeru - Hofu, Japan (JP); Yamagishi, Kanji - Hofu, Japan (JP); Hara, Masami - Hofu, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Yamamoto, Toshihiro - Hofu, Japan (JP), 145727 (07), Kanebo Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) Kanebo Rayon, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... invention is not limited to the vinyl-type polymers described above, and may ...

155. 5238771 , August 24, 1993 , Lithographic printing plate utilizing aluminum substrate with photosensitive layer containing o-naphthoquinonediazide sulfonic acid ester, alkali soluble resin and select additive, Goto, Kiyoshi - Hino, Japan (JP); Nakai, Hideyuki - Hino, Japan (JP); Tomiyasu, Hiroshi - Tama, Japan (JP); Kobayashi, Yoshiko - Nagoya, Japan (JP), 963001 (07), Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) Mitsubishi Kasei Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... added of novolac resin, vinyl type polymer resin, o-quinoneazide ...

156. 5236821 , August 17, 1993 , Silver halide photographic material which contains a selenium sensitizer, Yagihara, Morio - Kanagawa, Japan (JP); Kojima, Tetsuro - Kanagawa, Japan (JP); Mifune, Hiroyuki - Kanagawa, Japan (JP); Sasaki, Hirotomo - Kanagawa, Japan (JP), 857492 (07), March 25, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD. 210, NAKANUMA, MINAMI ASHIGARA-SHIKANAGAWA, (1), Reel and Frame Number: 006065/0536, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... vinylsulfonylether, and a vinyl type polymer having a vinylsulfonyl group on ...

157. 5227460 , July 13, 1993 , Cross-linked toner resins, Mahabadi, Hadi K. - Etobicoke, Canada (CA); Agur, Enno E. - Toronto, Canada (CA); Allison, Gerald R. - Oakville, Canada (CA); Hawkins, Michael S. - Mississauga, Canada (CA); Drappel, Stephan - Toronto, Canada (CA); McDougall, Maria N. V. - Burlington, Canada (CA); Grushkin, Bernard - Pittsford, New York, United States (US); Hoffend, Thomas R. - Webster, New York, United States (US); Barbetta, Angelo J. - Penfield, New York, United States (US), 814782 (07), February 28, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, A CORP. OF NYSTAMFORD, CONNECTICUT, Reel and Frame Number: 006039/0335, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA,

AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B

... a cross-linked vinyl type polymer is used as the binder ...

158. 5225309 , July 6, 1993 , Light-sensitive litho printing plate with cured diazo primer layer, diazo resin/salt light-sensitive layer containing a coupler and silicone rubber overlayer, Suzuki, Norihito - Hino, Japan (JP); Goto, Kiyoshi - Hino, Japan (JP); Tomiyasu, Hiroshi - Tama, Japan (JP); Noguchi, Kazuo - Hino, Japan (JP); Kasakura, Akeo - Yokohama, Japan (JP), 853852 (07), Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) Mitsubishi Kasei Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

... resins, novolac resins, vinyl type polymers having phenolic hydroxyl groups, ...

159. 5219947 , June 15, 1993 , Binder resin for a toner for developing electrostatic images, and process for production thereof, Yasuda, Satoshi - Matsudo, Japan (JP); Sakashita, Kiichiro - Inagi, Japan (JP); Mitsunashi, Yasuo - Yokohama, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Aita, Shuichi - Toride, Japan (JP); Nagai, Yoshinobu - Kohbe, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP), 514516 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... complexes of EDTA, acetylacetone, vinyl type polymers containing amino group, ...

... higher fatty acids and vinyl type polymers having amino group are preferred. ( ...

160. 5219901 , June 15, 1993 , Asphalt concrete composition and method of making same, Burke, William J. - Tempe, Arizona, United States (US); Lin, Sheng H. - Tempe, Arizona, United States (US); Ju, Reui-Fu - Hattiesburg, Mississippi, United States (US), 558942 (07), December 18, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., ARIZONA BOARD OF REGENTS ARIZONA STATE UNIVERSITY TEMPE, AZ 85287, Reel and Frame Number: 006357/0534, Arizona Board of Regents, a body Corporate of the State of Arizona, acting on behalf of the Arizona, Tempe, Arizona, United States (US), United States company or corporation (02)

... polymer chain. Many of the vinyl type polymers have molecular weight of up to ...

... insoluble polymer prepared from vinyl type polymers by an addition polymerization ...

161. 5218018 , June 8, 1993 , Hydroxyl and carboxyl groups-containing resin with alicyclic polyepoxide, Tominaga, Akira - Chigasaki, Japan (JP); Nishida, Reiziro - Chigasaki, Japan (JP); Inoue, Hiroshi - Hiratuka, Japan (JP); Yabuta, Motoshi - Hatano, Japan (JP); Sasaki, Yoshio - Kanagawa, Japan (JP); Kasari, Akira - Hiratuka, Japan (JP); Igarashi, Hiroshi - Yokohama, Japan (JP); Ozaki, Tohru - Hiratuka, Japan (JP), 635970 (07), December 31, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., KANSAI PAINT CO., LTD., 33-1, KANZAKI-CHO, AMAGASAKI-SHI, HYOGO-KEN, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 005558/0380, Kansai Paint Co., Ltd., Hyogo, Japan (JP), Foreign company or corporation (03)

... hydroxyl group-containing vinyl type polymers in view of weatherability, ...

... hydroxyl group-containing vinyl type polymer, there can be used, ...

162. 5204208 , April 20, 1993 , Processes for custom color encapsulated toner compositions, Paine, Anthony J. - Mississauga, Canada (CA); Martin, Trevor I. - Burlington, Canada (CA); Martins, Lurdes M. - Mississauga, Canada (CA); Moffat, Karen A. - Brantford, Canada (CA); Mychajlowskij, Walter - Georgetown, Canada (CA), 772307 (07), October 7, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION A CORPORATION OF NEW YORKSTAMFORD, CONNECTICUT, Reel and Frame Number: 005874/0720, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN

PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN  
PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B  
... colorant coated with a vinyl type polymer, reference for example the ...

163. 5196527 , March 23, 1993 , Porous ion-exchanged fine cellulose particles, method for production thereof, and affinity carrier, Ookuma, Shigeru - Hofu, Japan (JP); Igarashi, Kouei - Osaka, Japan (JP); Hara, Masami - Hofu, Japan (JP); Aso, Kazuhiro - Ibaraki, Japan (JP); Yoshidome, Hideo - Kishiwada, Japan (JP); Nakayama, Hiroshi - Hirakata, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Nakajima, Kazuhiko - Osaka, Japan (JP), 830689 (07), Kanebo Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... limited to the above-described vinyl-type polymers but include other ...

164. 5183349 , February 2, 1993 , Lipstick dispenser formed with lipstick formulation, Kamen, Melvin E. - Highlands, New Jersey, United States (US), 613036 (07), November 15, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., REVLON, INC., 625 MADISON AVE., NEW YORK NY 10022 A CORP. OF DE, Reel and Frame Number: 005523/0455 June 29, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., REVLON CONSUMER PRODUCTS CORPORATION A DE CORP. 625 MADISON AVENUE NEW YORK, NEW YORK, 10022, Reel and Frame Number: 006163/0458, Revlon Consumer Products Corporation, New York, New York, United States (US), United States company or corporation (02) , March 10, 1995 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., CHEMICAL BANK 270 PARK AVENUE NEW YORK, NEW YORK, 10017, Reel and Frame Number: 007377/0456  
... Particularly useful materials are the vinyl-type polymers such as polyolefins derived from ...

165. 5176916 , January 5, 1993 , Medical adhesives, Yamanaka, Akihito - Ibaraki, Japan (JP); Otsuka, Saburo - Ibaraki, Japan (JP); Hosaka, Yoshifumi - Ibaraki, Japan (JP), 686383 (07), April 17, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., NITTO ELECTRIC INDUSTRIAL CO., LTD. 1-2, SHIMOHOZUMI 1-CHOME, IBARAKI-SHIOSAKA 567, (1), TAKEDA CHEMICAL INDUSTRIES, LTD. 3-6, DOSHOMACHI 2-CHOME, CHUO-KU, OSAKA-SHIOSAKA 541, (1), Reel and Frame Number: 005692/0705 December 6, 1991 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS). EFFECTIVE ON 09/01/1988, NITTO DENKO CORPORATION 1-2, SHIMOHOZUMI 1-CHOME, IBARAKI-SHI, OSAKA, Reel and Frame Number: 005941/0839, Nitto Electric Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03) Takeda Chemical Industries, Ltd., Osaka, Japan (JP), Foreign company or corporation (03) , February 28, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NITTO DENKO CORPORATION 1-2, SHIMOHOZUMI 1-CHOME IBARAKI-SHI, OSAKA 567, JAPAN, Reel and Frame Number: 007349/0202  
... ether-type polymers; vinyl-type polymers such as poly vinyl- ...

166. 5164433 , November 17, 1992 , Rheological agents and thickeners, Ricci, Anthony P. - Jackson, New Jersey, United States (US); Whitton, Alfred J. - Point Pleasant, New Jersey, United States (US); Nae, Hemi N. - Princeton, New Jersey, United States (US), 686473 (07), April 17, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., RHEOX, INC., HIGHTSTOWN, NJ, Reel and Frame Number: 005680/0641, Rheox, Inc., Hightstown, New Jersey, United States (US), United States company or corporation (02) , December 31, 1997 - RELEASE OF CONDITIONAL ASSIGNMENT OF AND SECURITY INTEREST IN PATENT RIGHTS, RHEOX, INC. WYCKOFFS MILL ROAD HIGHTSTOWN, NEW JERSEY, 08520, Reel and Frame Number: 008792/0706 December 31, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., RIMC, INC. SUITE 200 900 MARKET STREET WILMINGTON, DELAWARE, 19801, Reel and Frame Number: 008800/0302 December 31, 1997 - CONDITIONAL ASSIGNMENT OF AND SECURITY INTEREST IN PATENT RIGHTS, CHASE MANHATTAN BANK, THE 1 CHASE MANHATTAN PLAZA NEW YORK, NEW YORK, 10081, Reel and Frame Number: 008800/0533 June 26, 1998 - RELEASE OF SECURITY, RIMC, INC. 913 N. MARKET STREET WILMINGTON, DELAWARE, 19801, Reel and Frame Number: 009479/0895 January 12, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., RHEOX, INC. WYCKOFF MILL ROAD HIGHTSTOWN, NEW JERSEY, 08520, Reel and Frame Number: 009678/0284  
... materials may be vinyl type polymers such as polyvinylacetate. Typical ...

167. 5162420 , November 10, 1992 , Aqueous compositions based on acid-functional acrylic silanol polymers, Chang, Wen-Hsuan - Gibsonia, Pennsylvania, United States (US); McEntire, Edward E. - Allison Park, Pennsylvania, United States (US); Kaufman, Marvin L. - Pittsburgh, Pennsylvania, United States (US), 707250 (07), PPG Industries, Inc.,



Pittsburgh, Pennsylvania, United States (US), United States company or corporation (02) , February 9, 1999 -  
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PPG INDUSTRIES OHIO, INC.  
3800 WEST 143RD STREET CLEVELAND, OHIO, 44111, Reel and Frame Number: 009737/0591

... composition containing a vinyl-type polymer product having hydrolyzable silyl ...  
... a solution-polymerized vinyl-type polymer having acid functionality sufficient to ...  
... based on the total weight of the vinyl-type polymer. The vinyl-type polymer is characterized in that a ...  
... aforesaid solution-polymerized vinyl-type polymer.  
... containing solution-polymerized vinyl-type polymers having acid functionality and hydrolyzable ...  
... composition containing a vinyl-type polymer product having hydrolyzable silyl ...  
... a solution-polymerized vinyl-type polymer having acid functionality sufficient to ...  
... based on the total weight of the vinyl-type polymer. The vinyl-type polymer is characterized in that a ...  
... aforesaid solution-polymerized vinyl-type polymer.  
... a solution-polymerized vinyl-type polymer. The vinyl-type polymer has acid functionality sufficient to ...  
... acid functionality allows the vinyl-type polymer to be solubilized or dispersed ...  
... groups with an appropriate base. The vinyl-type polymer also has sufficient hydrolyzable silyl ...  
... based on the total weight of the vinyl-type polymer. Typically, the Si atoms of the hydrolyzable silyl groups on the  
vinyl-type polymer are separated by at least ...  
... polymer. Moreover, a vinyl-type polymer for an aqueous dispersion or ...  
... molecular weight of a vinyl-type polymer may vary, the solution polymerized vinyl-type polymer, prior to dispersion  
(or solubilization) ...  
... important additional characteristic of the vinyl-type polymer suitable for an aqueous ...  
... by weight solids of the vinyl-type polymer. Preferred aqueous dispersions or ...  
... choice of solution-polymerized, vinyl-type polymer for an aqueous solution or ...  
... suitable solution-polymerized, vinyl-type polymers for aqueous compositions of the ...  
... in which the solution-polymerized vinyl-type polymer is prepared from the addition copolymerization of ...  
... will result in vinyl-type polymer products in which the Si ...  
... hydrolyzable silyl groups on the vinyl-type polymer are separated by at least ...  
... used to prepare a vinyl-type polymer for an aqueous solution or ...  
... anhydrides thereof to make a vinyl-type polymer for preparing an aqueous ...  
... components for preparing the vinyl-type polymer where desired may include ...  
... functional monomers for the vinyl-type polymer, and typically, vinyl-type polymers for aqueous compositions of the  
...  
... monomers. For example, the vinyl-type polymer typically has a hydroxyl ...  
... 10. When the solution-polymerized, vinyl-type polymer is prepared from the addition copolymerization of ...  
... used in the preparation of the vinyl-type polymer). The amount of the ethylenically unsaturated ...  
... a silicon content of the vinyl-type polymer in the range of from 0.40 to ...  
... based on the total weight of the vinyl-type polymer. Typically, the vinyl-type polymer is formed by solution ...  
... mixture of monomers to prepare the vinyl-type polymer can be carried ...  
... choice of solution-polymerized, vinyl-type polymer for an aqueous solution or ...  
... suitable solution-polymerized, vinyl-type polymers for aqueous compositions of the ...  
... reacted with an anhydride group of the vinyl-type polymer. More specifically, for ...  
... silyl groups to produce the vinyl-type polymer product for preparation of an ...  
... 3. Dispersion or solubilization of the vinyl-type polymer in water is typically ...  
... aqueous solution or dispersion of the vinyl-type polymer. A stable, aqueous, ...  
... a solution-polymerized vinyl-type polymer (as described herein previously) having ...  
... based on the total weight of the vinyl-type polymer, the vinyl-type polymer being further characterized ...  
... a solution polymerized, vinyl-type polymer as described previously herein ...  
... remain stable along with the vinyl-type polymer in aqueous dispersion or ...  
... gram of the solution polymerized vinyl-type polymer cures in air to ...  
... polymerized, acid-functional, vinyl-type polymers for aqueous compositions of the ...  
... prepare the acid-functional, vinyl-type polymer according to the procedure described ...  
... polymerized, acid-functional, vinyl-type polymer product and utilization of the polymer ...  
... polymerized, acid-functional, vinyl-type polymer product and utilization of the polymer ...  
... invention. It illustrates that a vinyl-type polymer product containing an anhydride ...



... polymerized to form a vinyl-type polymer product. Search terms may have been found within the contents of this table. Please see the table in the original document. (b) To a ...

... polymerized, acid-functional, vinyl-type polymer product using an acid ...  
... polymerized, acid-functional, vinyl-type polymer product and utilization of the polymer ...  
... polymerized to form a vinyl-type polymer product according to the procedure ...  
... polymerized, acid-functional, vinyl-type polymer products and utilization of the polymer ...  
... polymerized to form a vinyl-type polymer products according to the procedure ...  
... polymerized, acid-functional, vinyl-type polymer product and utilization of the polymer ...  
... aqueous composition of the invention. The vinyl-type polymer is prepared by copolymerizing an ...  
... silyl groups to produce the vinyl-type polymer product for preparation of an ...  
... hours to give a vinyl-type polymer product for use ...  
... c) To 23.6 g of the vinyl-type polymer product of part (b) ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl-type polymer being further characterized ...  
... atoms from the backbone of said vinyl-type polymer. 3. The aqueous dispersion or ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... anhydride group of said vinyl-type polymer. 8. The aqueous dispersion or ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... claim 6 wherein said vinyl-type polymer is prepared from components comprising from ...  
... in the preparation of said vinyl-type polymer, and an amount of said ethylenically ...  
... gram of the solution polymerized vinyl-type polymer. 12. A stable, ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl-type polymer being further characterized ...  
... atoms from the backbone of said vinyl-type polymer. 14. The coating composition of ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... milliequivalent/gram of said vinyl-type polymer cures in air to ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... anhydride group of said vinyl-type polymer. 19. The coating composition of ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... claim 17 wherein said vinyl-type polymer is prepared from components comprising from ...  
... in the preparation of said vinyl-type polymer, and an amount of said ethylenically ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl type polymer being further characterized ...  
... degrees Celsius, said vinyl type polymer being further characterized ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl type polymer being further characterized ...  
... degrees Celsius, said vinyl type polymer being further characterized ...

168. 5141833 , August 25, 1992 , One component developer for developing electrostatic image and image forming method, Kitamori, Naoto - Yokohama, Japan (JP); Ochi, Hisayuki - Yokohama, Japan (JP); Kuribayashi, Tetsuya - Tokyo, Japan (JP); Ohno, Manabu - Yokohama, Japan (JP); Kuwashima, Tetsuhito - Yokohama, Japan (JP); Uchide, Hitoshi - Toride, Japan (JP), 711650 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...  
... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...

169. 5139915 , August 18, 1992 , Encapsulated toners and processes thereof, Moffat, Karen A. - Brantford, Canada (CA); Mychajlowskij, Walter - Georgetown, Canada (CA); Paine, Anthony J. - Mississauga, Canada (CA); Hsieh, Bing R. - Webster, New York, United States (US), 516864 (07), April 30, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, COUNTY OF FAIRFIELD, STATE OF CT A CORP OF NY, Reel and Frame Number: 005288/0788 April 30, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, COUNTY OF FAIRFIELD, STATE OF CT A CORP OF NY, Reel and Frame

Number: 005288/0846 April 30, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, COUNTY OF FAIRFIELD, STATE OF CT A CORP OF NY, Reel and Frame Number: 005288/0843, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02) , June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670A, Reel and Frame Number: 013153/0001 June 28, 2002 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE PLAZA, IL 1-0631CHICAGO, ILLINOIS, 60670, Reel and Frame Number: 013153/0001A October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252B, Reel and Frame Number: 015134/0476 October 31, 2003 - SECURITY AGREEMENT, JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERFECTION UNIT P.O. BOX 2558HOUSTON, TEXAS, 77252, Reel and Frame Number: 015134/0476B

... colorant coated with a vinyl type polymer, reference for example the ...

170. 5137786 , August 11, 1992 , Heat-sensitive transfer recording medium, Koshizuka, Kunihiro - Hino, Japan (JP); Inaba, Yoshihiro - Hachioji, Japan (JP); Abe, Takao - Tokyo, Japan (JP); Maehashi, Tatsuichi - Hachioji, Japan (JP), 568526 (07), Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... polyester, polyamide, polyurethane and vinyl-type polymers. In these polymers, however, even if they have ...

171. 5130220 , July 14, 1992 , Process for preparing toner by suspension polymerization and toner prepared thereby, Nakamura, Tatsuya - Tokyo, Japan (JP); Morimoto, Reiko - Yokohama, Japan (JP); Mori, Hiromi - Yokohama, Japan (JP), 457882 (07), December 27, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 005215/0733, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... as additive, a vinyl type polymer or copolymer having a polar ...  
... a mass of a vinyl type polymer containing the treated dye; the ...  
... prepare a powder of the vinyl type polymer containing the treated dye; the ...

172. 5112400 , May 12, 1992 , Clay thickener for use in water-based systems and joint compounds containing such compositions, Nae, Hemi N. - Princeton, New Jersey, United States (US); Cheng, Wei M. - Piscataway, New Jersey, United States (US); DeSesa, Michael A. - Fair Haven, New Jersey, United States (US), 489195 (07), March 6, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., RHEOX, INC., WYCKOFF MILLS RD., P.O. BOX 700, HIGHSTOWN, NJ 08520 A CORP. OF NJ, Reel and Frame Number: 005246/0817 March 26, 1991 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., CHASE MANHATTAN BANK (NATIONAL ASSOCIATION), THE, A NATIONAL BANKING ASSOCIATION, Reel and Frame Number: 005665/0037, Rheox, Inc., Hightstown, New Jersey, United States (US), United States company or corporation (02) , December 31, 1997 - RELEASE OF CONDITIONAL ASSIGNMENT OF AND SECURITY INTEREST IN PATENT RIGHTS, RHEOX, INC. WYCKOFFS MILL ROADHIGHSTOWN, NEW JERSEY, 08520, Reel and Frame Number: 008792/0706 December 31, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., RIMC, INC. SUITE 200 900 MARKET STREETWILMINGTON, DELAWARE, 19801, Reel and Frame Number: 008800/0302 December 31, 1997 - CONDITIONAL ASSIGNMENT OF AND SECURITY INTEREST IN PATENT RIGHTS, CHASE MANHATTAN BANK, THE 1 CHASE MANHATTAN PLAZANEW YORK, NEW YORK, 10081, Reel and Frame Number: 008800/0533 June 26, 1998 - RELEASE OF SECURITY, RIMC, INC. 913 N. MARKET STREETWILMINGTON, DELAWARE, 19801, Reel and Frame Number: 009479/0895 January 12, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., RHEOX, INC. WYCKOFF MILL ROADHIGHSTOWN, NEW JERSEY, 08520, Reel and Frame Number: 009678/0284  
... may be a vinyl-type polymer, and the extenders may include ...

173. 5110710 , May 5, 1992 , Light-sensitive lithographic printing plate wherein the support is treated with an aqueous solution containing nitrites, Tomita, Yasuji - Hino, Japan (JP); Nakai, Hideyuki - Hino, Japan (JP); Goto, Kiyoshi - Hino, Japan (JP), 702104 (07), Konica Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... composition, novolac resins, vinyl type polymers having phenolic hydroxyl group, ...  
... sensitive composition of this invention. The vinyl type polymers having phenolic hydroxyl group is ...  
... invention. The formulation ratio of the vinyl type polymers used in this invention is ...  
... light-sensitive composition. The vinyl type polymers to be used in this ...

174. 5108596 , April 28, 1992 , Borous ion-exchanged fine cellulose particles, method for production thereof, and affinity carrier, Ookuma, Shigeru - Hofu, Japan (JP); Igarashi, Kouei - Osaka, Japan (JP); Hara, Masami - Hofu, Japan (JP); Aso, Kazuhiro - Ibaraki, Japan (JP); Yoshidome, Hideo - Kishiwada, Japan (JP); Nakayama, Hiroshi - Hirakata, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Nakajima, Kazuhiko - Osaka, Japan (JP), 445667 (07), December 4, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEBO LTD., 17-4, SUMIDA 5-CHOME, SUMIDA-KU, TOKYO 131 JAPAN A JAPANESE CORPORATION, Reel and Frame Number: 005530/0001, Kanebo Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... limited to the above-described vinyl-type polymers but include other ...

175. 5106579 , April 21, 1992 , Membrane type artificial lung and method for manufacture thereof, Fukazawa, Hiromichi - Fuji, Japan (JP); Hagiwara, Kazuhiko - Fujinomiya, Japan (JP), 589020 (07), Terumo Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... copolymer of a desired vinyl type polymer with a vinyl monomer ...  
... block of a desired vinyl type polymer (which may be a ...  
... by preparing a vinyl type polymer intended to constitute a ...

176. 5096968 , March 17, 1992 , Methacrylimide-containing polymer and resin composition containing said polymer, Sasaki, Isao - Otake, Japan (JP); Nishida, Kozi - Toyama, Japan (JP); Anzai, Hisao - Otake, Japan (JP); Fujimoto, Masaharu - Otake, Japan (JP), 458497 (07), July 11, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., MITSUBISHI RAYON COMPANY, LTD., 3-19, KYOBASHI 2-CHOME, CHUO-KUTOKYO, (1), Reel and Frame Number: 005800/0456, Mitsubishi Rayon Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... can be mentioned vinyl type polymers such as polystyrene, a ...

177. 5064950 , November 12, 1991 , Fine cellulose particles and process for production thereof, Okuma, Shigeru - Hofu, Japan (JP); Yamagishi, Kanji - Hofu, Japan (JP); Hara, Masami - Hofu, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Yamamoto, Toshihiro - Hofu, Japan (JP); Yoshidome, Hideo - Kishiwada, Japan (JP), 528933 (07), Kanebo, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) Kanebo Rayon, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... A is not limited to the vinyl-type polymers mentioned above, and carboxymethyl ...

178. 5059478 , October 22, 1991 , Heat-sensitive transfer material, Kanno, Nobumori - Tokyo, Japan (JP); Takeda, Neiichi - Tokyo, Japan (JP), 360936 (07), March 27, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., TOYO INK MANUFACTURING CO., LTD., 3-13, KYOBASHI 2-CHOME, CHUO-KU, TOKYO 104 JAPAN, Reel and Frame Number: 005081/0303, Toyo Ink Manufacturing Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... particles), and further it is essential that the vinyl-type polymer particles and the heat-resistant ...  
... mutually dissolved. The size of the vinyl-type polymer (particles) can be ...

179. 5045595 , September 3, 1991 , Polyorganosiloxane/polyvinyl-based graft polymers, process and thermoplastic compositions containing the same, Wang, I-Chung W. - Williamstown, Massachusetts, United States (US), 271250 (07), January 23, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., GENERAL ELECTRIC COMPANY, A NY CORP., Reel and Frame Number: 005000/0747, General Electric Company, Parkersburg, West Virginia, United States (US), United States company or corporation (02)  
... more stages of additional vinyl-type polymers. When the isolated multi-stage ...  
... stages comprising a vinyl type polymer such as a styrene/ ...

180. 5041351 , August 20, 1991 , One component developer for developing electrostatic image and image forming method, Kitamori, Naoto - Yokohama, Japan (JP); Ochi, Hisayuki - Yokohama, Japan (JP); Kuribayashi, Tetsuya - Tokyo, Japan (JP); Ohno, Manabu - Yokohama, Japan (JP); Kuwashima, Tetsuhito - Yokohama, Japan (JP); Uchide, Hitoshi - Toride, Japan (JP), 329815 (07), July 21, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 3-30-2 SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 005129/0257, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... resin comprising a vinyl-type polymer or copolymer and a magnetic ...  
... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...

181. 5037716 , August 6, 1991 , Encapsulated toners and processes thereof, Moffat, Karen A. - Brantford, Canada (CA), 415745 (07), October 2, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, CT A CORP. OF NY, Reel and Frame Number: 005147/0776, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)  
... colorant coated with a vinyl type polymer, reference for example the ...

182. 5035953 , July 30, 1991 , Process for thermal transfer recording and heat-sensitive transfer material, Kanno, Nobumori - Tokyo, Japan (JP); Ishii, Kunio - Tokyo, Japan (JP); Takeda, Neiji - Tokyo, Japan (JP); Nihashi, Hiroyuki - Tokyo, Japan (JP), 370880 (07), June 23, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., TOYO INK MANUFACTURING CO., LTD., 3-13, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN, Reel and Frame Number: 005096/0173, Toyo Ink Manufacturing Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)  
... polymer, and further it is essential that the vinyl-type polymer particles and the heat-resistant ...

183. 5034266 , July 23, 1991 , Breathable foam coated durable pillow ticking, Kinlaw, William S. - Greensboro, North Carolina, United States (US); Baldwin, Alfred F. - Greensboro, North Carolina, United States (US); Goad, Conrad D. - Greensboro, North Carolina, United States (US), 350830 (07), June 6, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., PRECISION FABRICS GROUP, P.O. 21488, GREENSBORO, NORTH CAROLINA 27420-1448 A CORP. OF NC, Reel and Frame Number: 005106/0265, Precision Fabrics Group, Greensboro, North Carolina, United States (US), United States company or corporation (02) , September 20, 1991 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS), FIRST UNION NATIONAL BANK OF NORTH CROLINA A NATIONAL BANKING ASSOCIATION 300 NORTH GREENE STREETGREENSBORO, NORTH CAROLINA, 27401, Reel and Frame Number: 005841/0637 September 20, 1991 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS), FIRST UNION NATIONAL BANK OF NORTH CAROLINA A NATIONAL BANKING ASSOCIATION 300 NORTH GREENE STREETGREENSBORO, NORTH CAROLINA, 27401, Reel and Frame Number: 005841/0643 January 27, 1994 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS), FIRST UNION NATIONAL BANK OF NORTH CAROLINA, AS AGENT CORPORATE FINANCE DIVISION ONE FIRST UNION CENTER 301 SOUTH COLLEGE STREET CHARLOTTE, NC 28288-0737, Reel and Frame Number: 006845/0945 September 13, 1996 - SECURITY AGREEMENT, CIT GROUP/BUSINESS CREDIT, INC., THE 1211 AVENUE OF THE AMERICASNEW YORK, NEW YORK, 10036, Reel and Frame Number: 008006/0543 September 27, 1996 - RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS), PRECISION FABRICS GROUP, INC. 301 N. ELM STREETGREENSBORO, NORTH CAROLINA, 27401, Reel and Frame Number: 008031/0879 September 27, 1996 - RELEASE, PRECISION FABRICS GROUP INC. 301 N. ELM STREETGREENSBORO, NORTH CAROLINA, 27401, Reel and Frame Number: 008031/0887  
... today are either coated with vinyl type polymers and polyurethanes, or laminated with such products on ...

184. 5028582 , July 2, 1991 , Receiving sheets for dye transfer type thermal printing, Imai, Akihiro - Ikoma, Japan (JP); Kawakami, Tetsuji - Katano, Japan (JP); Matsuda, Hiromu - Katano, Japan (JP); Yubakami, Keiichi - Suita, Japan (JP); Taguchi, Nobuyoshi - Ikoma, Japan (JP), 332743 (07), Matsushita Electric Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... below: (1) Urethane-vinyl type polymers composed of a copolymer of ...

185. 5013584 , May 7, 1991 , Method of reducing the permeability of plastic optical articles, Wreede, John E. - Monrovia, California, United States (US); Knobbe, Edward T. - Playa Del Rey, California, United States (US), 323176 (07), Hughes Aircraft Company, Los Angeles, California, United States (US), United States company or corporation (02)  
... polypropylene, polyethylene, polyester, vinyl type polymers, polymethyl methacrylate, cellulose ...

186. 4994520 , February 19, 1991 , Carbon black-graft polymer, method for production thereof, and use thereof, Mori, Yoshikuni - Settsu, Japan (JP); Kushino, Mitsuo - Minoo, Japan (JP); Ideda, Hayato - Settsu, Japan (JP); Urashima, Nobuaki - Takatusuki, Japan (JP); Izubayashi, Masuji - Nishinomiya, Japan (JP); Tanimori, Shigeru - Hirakata, Japan (JP); Arita, Yoshihiro - Takatsuki, Japan (JP); Kawamura, Kiyoshi - Mishima, Japan (JP); Minami, Kenji - Suita, Japan (JP); Sano, Yoshinori - Kobe, Japan (JP), 533780 (07), Nippon Shokubai Kagaku Kogyo Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... embraces such polymers as vinyl type polymers, polyesters, and polyethers which possess ...  
... in the method of (2) are vinyl type polymers, polyester, and polyethers which possess ...

... for example, a vinyl type polymer or a polyester which has acrylic ...  
... be imparted, a vinyl type polymer or a polyester which has styrene ...

187. 4985327 , January 15, 1991 , Non-magnetic toner, Sakashita, Kiichiro - Inagi, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Yoshida, Satoshi - Kawasaki, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP); Matsushige, Naoki - Kawasaki, Japan (JP); Fujiwara, Masatsugu - Yokohama, Japan (JP); Mitsuhashi, Yasuo - Yokohama, Japan (JP), 526680 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... preferably comprise a vinyl-type polymer or copolymer, more preferably an ...

188. 4983681 , January 8, 1991 , Colored microfine globular particles, method for production thereof, and uses thereof, Mori, Yoshikuni - Settsu, Japan (JP); Kushino, Mitsuo - Minoo, Japan (JP); Ikeda, Hayato - Settsu, Japan (JP); Urashima, Nobuaki - Takatsuki, Japan (JP); Minami, Kenji - Suita, Japan (JP); Fukikawa, Iwao - Otsu, Japan (JP), 454946 (07), Nippon Shokubai Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... desirable to use a vinyl type polymer possessing such a reactive ...  
... method of (2) include vinyl type polymers, polyesters, and polyethers which possess ...

189. 4981728 , January 1, 1991 , Adhesion method, Homma, Michihide - Hyogo, Japan (JP); Yoshihara, Atsuko - Hyogo, Japan (JP); Wakabayashi, Hiroshi - Hyogo, Japan (JP); Isayama, Katsuhiko - Hyogo, Japan (JP), 472376 (07), March 27, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD., NO. 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN, Reel and Frame Number: 005277/0049, Kanegafuchi Chemical Industry Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... a substrate when a vinyl type polymer having at least one silicon- ...  
... primer comprising a vinyl type polymer having at least one silicon- ...  
... invention, the substrate is coated with the vinyl type polymer having at least one silicon- ...  
... reactive group in the vinyl type polymer can be the same ...  
... polymer (1). Preferably, the vinyl type polymer has at least one silicon- ...  
... be introduced in the vinyl type polymer in the same manner ...  
... organic elastomeric polymer. The vinyl type polymer having at least one silicon- ...  
... containing reactive group, the vinyl type polymer having the silicon-containing reactive ...  
... compound (IV). Alternatively, the vinyl type polymer having the silicon-containing reactive ...  
... silicon-containing compound. The vinyl type polymer having the silicon-containing reactive ...  
... preferably 1000 to 30,000. The vinyl type polymer can be used ...  
... mixture of two or more vinyl type polymer may be used. Such vinyl type polymer having the silicon-containing reactive ...  
... preferred as the backbone of the vinyl type polymer having the silicon-containing reactive ...  
... molecule. The primer comprising the vinyl type polymer having at least one silicon- ...  
... 40 to 100 g of the vinyl type polymer per square meter of the ...  
... primer comprising a vinyl type polymer having at least one silicon- ...  
... according to claim 1, wherein the vinyl type polymer comprises monomeric units having ...

190. 4968556 , November 6, 1990 , Coating for fiberglass insulation, Jain, Surendra - Easley, South Carolina, United States (US), 173414 (07), October 17, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., REYNOLDS COMPANY, THE, 10 GATES ST., GREENVILLE, SC A CORP. OF SC, Reel and Frame Number: 004963/0760, The Reynolds Company, Greenville, South Carolina, United States (US), United States company or corporation (02)

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...  
... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...  
... soft, non-halogenated, vinyl type polymer of this invention is usually an acrylic ...  
... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...  
... soft, non-halogenated, vinyl type polymer consists essentially of a ...  
... soft, non-halogenated, vinyl type polymers contains a monomer ...  
... soft, non-halogenated, vinyl type polymer is a interpolymer of ethyl ...  
... soft, non-halogenated, vinyl type polymer is a interpolymer of butyl ...  
... soft, non-halogenated, vinyl type polymer also contains N-methylol ...

191. 4966829 , October 30, 1990 , Toner for developing electrostatic images, binder therefor and process for production thereof, Yasuda, Satoshi - Matsudo, Japan (JP); Sakashita, Kiichiro - Tokyo, Japan (JP); Mitsuhashi, Yasuo - Yokohama, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Aita, Shuichi - Toride, Japan (JP); Nagai, Yoshinobu - Kohbe, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP), 275599 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... complexes of EDTA, acetylacetone, vinyl type polymers containing amino group, ...

... higher fatty acids and vinyl type polymers having amino group are preferred. ( ...

... resin comprising a vinyl-type polymer, a vinyl-type ...

... comprises a crosslinked vinyl type polymer or copolymer. 16. A ...

... copolymer and a crosslinked vinyl-type polymer or copolymer. 19. A ...

... copolymer and a crosslinked vinyl-type polymer or copolymer. 21. A ...

192. 4965155 , October 23, 1990 , Organic photoconductive material for electrophotography, Nishiguchi, Toshihiko - Osaka, Japan (JP); Yamamura, Mika - Osaka, Japan (JP), 279083 (07), July 27, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., MITA INDUSTRIAL CO., LTD., 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 005379/0457, Mita Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... For example, a vinyl type polymer having recurring units represented ...

193. 4961931 , October 9, 1990 , Method for the management of hyperplasia, Wong, Patrick S.-L. - Palo Alto, California, United States (US), 242249 (07), September 9, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., ALZA CORPORATION, A CORP. OF DE., Reel and Frame Number: 004934/0626, Alza Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... represented by olefin and vinyl-type polymers, carbohydrate-type polymers, ...

194. 4959263 , September 25, 1990 , Magnetic recording medium, Aonuma, Masashi - Kanagawa, Japan (JP); Okita, Tsutomu - Kanagawa, Japan (JP); Hashimoto, Hiroshi - Kanagawa, Japan (JP); Araki, Hiroaki - Kanagawa, Japan (JP); Fukino, Kiyotaka - Kanagawa, Japan (JP); Ejiri, Kiyomi - Kanagawa, Japan (JP), 195224 (07), August 18, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD., 210, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004928/0841, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... polycarbonate, polyimide, polyamideimide or vinyl type polymers; non-magnetic metals; and ...

195. 4952476 , August 28, 1990 , Electrophotographic magnetic toner containing polyalkylene and vinyl polymer, Sakashita, Kiichiro - Inagi, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Yoshida, Satoshi - Kawasaki, Japan (JP), 313456 (07), February 22, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 3-30-2 SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 005047/0722, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer having 5 to 80 wt. ...

... resin comprising a vinyl-type polymer having 5 to 80 wt. ...

... toner comprises a vinyl-type polymer having 5-80 wt. ...

... resin comprises a vinyl-type polymer having a tetrahydrofuran-insoluble of ...

... may comprise a vinyl-type polymer or copolymer, preferably a ...

... invention, preferred examples of the vinyl-type polymer may include crosslinked ...

... resin comprising a vinyl-type polymer having 5 to 80 wt. ...

196. 4946953 , August 7, 1990 , Fine cellulose particles and process for production thereof employing coagulated viscose, Okuma, Shigeru - Hofu, Japan (JP); Yamagishi, Kanji - Hofu, Japan (JP); Hara, Masami - Hofu, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Yamamoto, Toshihiro - Hofu, Japan (JP); Yoshidome, Hideo - Kishiwada, Japan (JP), 107973 (07), October 13, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEBO LTD., 17-4, SUMIDA 5-CHOME, SUMIDA-KU, TOKYO, JAPAN A CORP. OF JAPAN, KANEBO RAYON, LTD., 2-2, UMEDA 1-CHOME, KITA-KU, OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004800/0552,

Kanebo, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) Kanebo Rayon, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... A is not limited to the vinyl-type polymers mentioned above, and carboxymethyl ...

197. 4940749 , July 10, 1990 , Carbon black-graft polymer, method for production thereof, and use thereof, Mori, Yoshikuni - Settsu, Japan (JP); Kushino, Mitsuo - Minoo, Japan (JP); Ikeda, Hayato - Settsu, Japan (JP); Urashima, Nobuaki - Takatsuki, Japan (JP); Izubayashi, Masuji - Nishinomiya, Japan (JP); Tanimori, Shigeru - Hirakata, Japan (JP); Arita, Yoshihiro - Takatsuki, Japan (JP); Kawamura, Kiyoshi - Mishima, Japan (JP); Minami, Kenji - Suita, Japan (JP); Sano, Yoshinori - Kobe, Japan (JP), 373234 (07), Nippon Shokubai Kagaku Kogyo Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... embraces such polymers as vinyl type polymers, polyesters, and polyethers which possess ...

... in the method of (2) are vinyl type polymers, polyester, and polyethers which possess ...

... for example, a vinyl type polymer or a polyester which has acrylic ...

... be imparted, a vinyl type polymer or a polyester which has styrene ...

198. 4939060 , July 3, 1990 , Magnetic toner for developing electrostatic images, Tomiyama, Koichi - Kawasaki, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Ohsaki, Ichiro - Kawasaki, Japan (JP); Yasuda, Satoshi - Matsudo, Japan (JP); Hyosu, Yoshihiko - Machida, Japan (JP), 420732 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... may preferably used vinyl-type polymers or copolymers using one or ...

... resin comprises a vinyl-type polymer. 17. A magnetic ...

199. 4910114 , March 20, 1990 , Toner for electrophotography, Hosino, Yukihisa - Hitachi, Japan (JP); Kudo, Takeo - Hitachi, Japan (JP), 045569 (07), May 4, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., HITACHI CHEMICAL COMPANY, LTD., 1-1, 2-CHOME, NISHISHINJUKU, SHINJUKU-KU, TOKYO, JAPAN, A CORP OF JAPAN, Reel and Frame Number: 004710/0359, Hitachi Chemical Company, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... vinyl group and a vinyl-type polymer which is graft-copolymerized with a ...

200. 4910113 , March 20, 1990 , Colored microfine globular particles, method for production thereof and uses thereof, Mori, Yoshikuni - Settsu, Japan (JP); Kushino, Mitsuo - Minoo, Japan (JP); Ikeda, Hayato - Settsu, Japan (JP); Urashima, Nobuaki - Takatsuki, Japan (JP); Minami, Kenji - Suita, Japan (JP); Fujikawa, Iwao - Otsu, Japan (JP), 237772 (07), July 7, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., NIPPON SHOKUBAI KAGAKU KOGYO KABUSHIKI KAISHA, 1, KORAIBASHI 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA 541 JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004961/0515, Nippon Shokubai Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... desirable to use a vinyl type polymer possessing such a reactive ...

... method of (2) include vinyl type polymers, polyesters, and polyethers which possess ...

201. 4909989 , March 20, 1990 , Gas-exchange membrane for an artificial lung, Fukazawa, Hiromichi - Fuji, Japan (JP); Hagiwara, Kazuhiko - Fujinomiya, Japan (JP), 328763 (07), Terumo Kabushiki Kaisha (Terumo Corporation), Tokyo, Japan (JP), Foreign company or corporation (03)

... copolymer of a desired vinyl type polymer with a vinyl monomer ...

... block of a desired vinyl type polymer (which may be a ...

... by preparing a vinyl type polymer intended to constitute a ...

202. 4902792 , February 20, 1990 , Fine cellulose particles and process for production thereof, Okuma, Shigeru - Hofu, Japan (JP); Yamagishi, Kanji - Hofu, Japan (JP); Hara, Masami - Hofu, Japan (JP); Suzuki, Keizo - Osaka, Japan (JP); Yamamoto, Toshihiro - Hofu, Japan (JP), 139860 (07), Kanebo Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) Kanebo Rayon, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... invention is not limited to the vinyl-type polymers described above, and may ...

203. 4885159 , December 5, 1989 , Hiar cosmetic composition, Miyake, Miyuki - Narashino, Japan (JP); Toda, Haruhiko - Chiba, Japan (JP); Yasu, Minako - Tokyo, Japan (JP), 149337 (07), January 28, 1988 - ASSIGNMENT OF

ASSIGNORS INTEREST., LION CORPORATION, 3-7, HONJO 1-CHOME, SUMIDA-KU, TOKYO, JAPAN, Reel and Frame Number: 004840/0958, Lion Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)  
... type, keratin type, and vinyl type polymers in hair cosmetic ...

204. 4885125 , December 5, 1989 , Method for in-mold polymerization of unsaturated compound, Kato, Yasuyuki - Ehime, Japan (JP); Yuyama, Masahiro - Ehime, Japan (JP); Moritani, Masahiko - Ehime, Japan (JP); Yasunori, Yukio - Osaka, Japan (JP), 900974 (06), August 27, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., SUMITOMO CHEMICAL COMPANY, LIMITED, NO. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA, JAPAN, Reel and Frame Number: 004595/0595, Sumitomo Chemical Company, Limited, Osaka, Japan (JP), Foreign company or corporation (03)

... hereinafter referred to as "vinyl type polymer") is molded by melt ...  
... 1977 and 35393/1977). When the vinyl type polymer is melt molded, for ...  
... molding. Therefore, the melt molding of the vinyl type polymer requires a large, ...  
... high temperature, the molten vinyl type polymer has very high viscosity so that great ...  
... precise molded article of the vinyl type polymer with good efficiency by ...  
... molded article made of the vinyl type polymer. That is, by changing the shape and ...  
... According to the present invention, the vinyl type polymer can be molded at ...  
... addition, the molded article of the vinyl type polymer can be produced ...

205. 4880857 , November 14, 1989 , Carbon black-graft polymer, method for production thereof, and use thereof, Mori, Yoshikuni - Settsu, Japan (JP); Kushino, Mitsuo - Minoo, Japan (JP); Ikeda, Hayato - Settsu, Japan (JP); Urashima, Nobuaki - Takatsuki, Japan (JP); Izubayashi, Masuji - Nishinomiya, Japan (JP); Tanimori, Shigeru - Hirakata, Japan (JP); Arita, Yoshihiro - Takatsuki, Japan (JP); Kawamura, Kiyoshi - Mishima, Japan (JP); Minami, Kenji - Suita, Japan (JP); Sano, Yoshinori - Kobe, Japan (JP), 134319 (07), December 16, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., NIPPON SHOKUBAI KAGAKU KOGYO CO., LTD., 5-1, KORAIBASHI, HIGASHI-KU, OSAKA, JAPAN A CORP., Reel and Frame Number: 004805/0638, Nippon Shokubai Kagaku Kogyo Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... embraces such polymers as vinyl type polymers, polyesters, and polyethers which possess ...  
... in the method of (2) are vinyl type polymers, polyester, and polyethers which possess ...  
... for example, a vinyl type polymer or a polyester which has acrylic ...  
... be imparted, a vinyl type polymer or a polyester which has styrene ...

206. 4877704 , October 31, 1989 , Process for developing latent electrostatic image using toner containing polyester resin, Takagiwa, Hiroyuki - Hachioji, Japan (JP); Takahashi, Jiro - Sagami-hara, Japan (JP); Shirose, Meizo - Hino, Japan (JP); Akimoto, Kunio - Fujisawa, Japan (JP); Uchida, Masafumi - Hachioji, Japan (JP), 191790 (07), September 22, 1989 - RELEASED BY SECURED PARTY (SEE DOCUMENT FOR DETAILS). EFFECTIVE DATE OCTOBER 21, 1987, KONICA CORPORATION, 26-2 NISHI-SHINJUKU 1 CHOME, SHINJUKU-KU, TOKYO, Reel and Frame Number: 005159/0302, Konishiroku Photo Industry Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... toner in which a vinyl-type polymer is used, such an advantage that it has better ...  
... comparing with the case where a vinyl-type polymer having approximately the same softening ...

207. 4876183 , October 24, 1989 , Tubular silver halide photosensitive materials sensitized with a luminous dye, Miyasaka, Tsutomu - Kanagawa, Japan (JP); Okazaki, Masaki - Kanagawa, Japan (JP); Sugimoto, Tadao - Kanagawa, Japan (JP), 127139 (07), Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)  
... propanol, 1,2-bisvinylsulfonylacetamidoethane or vinyl type polymers having vinylsulfonyl groups on the side ...

208. 4873179 , October 10, 1989 , Method for processing a silver halide color photographic material while replenishing washing water and stabilizing solution, Abe, Akira - Kanagawa, Japan (JP); Mihayashi, Keiji - Kanagawa, Japan (JP); Ichijima, Seiji - Kanagawa, Japan (JP), 052086 (07), June 27, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD., 210, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 005128/0439, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)  
... 1,2-bisvinylsulfonylacetamidoethane, a vinyl type polymer having vinylsulfonyl groups in its ...



209. 4855209 , August 8, 1989 , Low melting encapsulated toners, Martin, Trevor I. - Burlington, Canada (CA); Breton, Marcel P. - Mississauga, Canada (CA); Branston, Randolph E. - Sarnia, Canada (CA); Moffat, Karen A. - Brantford, Canada (CA); Mychajlowskij, Walter - Georgetown, Canada (CA), 128851 (07), December 4, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, COUNTY OF FAIRFIELD, CT, A CORP. OF NY, Reel and Frame Number: 004843/0240 December 4, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., XEROX CORPORATION, STAMFORD, COUNTY OF FAIRFIELD, CT, A CORP. OF DE, Reel and Frame Number: 004843/0241, Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... particle coated with a vinyl type polymer with a glass transition ...

... amorphous polyester or a vinyl type polymer having a crosslinked structure with ...

210. 4847093 , July 11, 1989 , Dosage form with means for governing rate of gas formation, Ayer, Atul D. - Mountain View, California, United States (US); Wong, Patrick S. L. - Hayward, California, United States (US), 668761 (02), June 19, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., ALZA CORPORATION, A CORP. OF CA., Reel and Frame Number: 004569/0332, ALZA Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... consisting essentially of olefin and vinyl-type polymers; condensation-type polymers; ...

211. 4845515 , July 4, 1989 , Recording material utilizing multilayer Bi/Se film, Suh, Suk Y. - Bridgewater, New Jersey, United States (US), 087115 (07), August 19, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., HOECHST CELANESE CORPORATION, 86 MORRIS AVENUE, SUMMIT, NEW JERSEY 07901 A CORP. OF DE., Reel and Frame Number: 004759/0697, Hoechst Celanese Corp., Somerville, New Jersey, United States (US), United States company or corporation (02)

... especially preferred. Suitable vinyl type polymers include polyvinyl alcohol, ...

212. 4845174 , July 4, 1989 , Process for preparing a vinyl chloride polymer, Amano, Tadashi - Ibaraki, Japan (JP); Watanabe, Junichi - Ageo, Japan (JP); Kitamura, Hajime - Ichihara, Japan (JP), 184098 (07), April 14, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., SHIN-ETSU CHEMICAL CO., LTD., 6-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN, Reel and Frame Number: 005063/0561, Shin-Etsu Chemical Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... size distribution of the resulting vinyl type polymer. Therefore the methoxy-substitution degree and the ...

213. 4845153 , July 4, 1989 , Conductive polymers or prepolymers from a polymer containing ethylenic unsaturations and from a silane compound and conductive polymers or prepolymers, Fontanille, Michel - Montmorency, France (FR); Krantz, Nicolas - Bernay, France (FR); Gautier, Jean-Claude - Ablon Sur Seine, France (FR); Raynal, Serge - Draveil, France (FR), 105449 (07), Societe Nationale des Poudres et Explosifs, Paris, France (FR), Foreign government (07)

... ethylenic unsaturations at least some of which are of the vinyl type. These polymers are obtained by polymerization or ...

214. 4839222 , June 13, 1989 , Fiberglass insulation coated with a heat collapsible foam composition, Jain, Surendra - Easley, South Carolina, United States (US), 173418 (07), October 17, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., REYNOLDS COMPANY, THE, 10 GATES STREET, GREENVILLE, SOUTH CAROLINA A CORP. OF SC, Reel and Frame Number: 004955/0228, The Reynolds Company, Greenville, South Carolina, United States (US), United States company or corporation (02)

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

... soft, non-halogenated, vinyl type polymer of this invention is usually an acrylic ...

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

... soft, non-halogenated, vinyl type polymer consists essentially of a ...

... soft, non-halogenated, vinyl type polymer contains a monomer ...

... soft, non-halogenated, vinyl type polymer contains a monomer ...

... soft, non-halogenated, vinyl type polymer is a copolymer of ethyl ...

... soft, non-halogenated, vinyl type polymer is a copolymer of butyl ...

... soft, non-halogenated, vinyl type polymer also contains N-methylol ...

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

215. 4837401 , June 6, 1989 , Curable polymer composition comprising organic polymer having silicon-containing reactive group, Hirose, Toshifumi - Kobe, Japan (JP); Yukimoto, Sadao - Kobe, Japan (JP); Isayama, Katsuhiko - Kobe, Japan (JP), 807842 (06), December 11, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI CHEMICAL INDUSTRY, CO., LTD., NO. 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN, Reel and Frame Number: 004494/0589, Kanegafuchi Chemical Industry, Co., Ltd., Japan (JP), Foreign company or corporation (03)

... meth)acrylate and the like. The vinyl type polymer has a molecular weight of ...

... mixture of the alkyleneoxide polymer and the vinyl type polymer such as polyalkyl acrylate ...

... backbone chain comprising the vinyl type polymer or copolymer may be ...

216. 4829187 , May 9, 1989 , UV-ray sensitive composition and element for measuring UV-ray dose, Tomita, Kenichi - Yokohama, Japan (JP); Suetsugu, Masaru - Yokohama, Japan (JP); Fukuda, Minoru - Yokohama, Japan (JP); Higashi, Takao - Tokyo, Japan (JP); Koizumi, Norimichi - Chigasaki, Japan (JP), 080513 (07), July 8, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., SHISEIDO COMPANY LTD., 7-5-5, GINZA, CHUO-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004771/0890, Shiseido Company Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... sodium salt, etc., vinyl type polymers such as polyvinyl chloride, ...

217. 4828922 , May 9, 1989 , Heat-sensitive transfer recording medium, Koshizuka, Kunihiro - Hino, Japan (JP); Inaba, Yoshihiro - Hachioji, Japan (JP); Abe, Takao - Tokyo, Japan (JP); Maehashi, Tatsuichi - Hachioji, Japan (JP), 906035 (06), September 10, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., KONISHIROKU PHOTO INDUSTRY CO., LTD., 26-2 NISHISHINJUKU 1 CHOME SHINJUKU-KU, TOKYO JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004599/0500, Konishiroku Photo Industry Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) , September 22, 1989 - RELEASED BY SECURED PARTY (SEE DOCUMENT FOR DETAILS). EFFECTIVE DATE OCTOBER 21, 1987, KONICA CORPORATION, 26-2 NISHI-SHINJUKU 1 CHOME, SHINJUKU-KU, TOKYO, Reel and Frame Number: 005159/0302

... polyester, polyamide, polyurethane and vinyl-type polymers. In these polymers, however, even if they have ...

218. 4816494 , March 28, 1989 , Enhanced homogeneous polyurethane foam comfort cushioning and process for making same, Watson, Stuart L. - Midlothian, Virginia, United States (US); Hostler, Paul H. - Richmond, Virginia, United States (US); Haley, David L. - Chester, Virginia, United States (US), 158475 (07), May 2, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., E.R. CARPENTER COMPANY, INC., 5016 MONUMENT AVENUE, RICHMOND, VA 23621, Reel and Frame Number: 004864/0718, E. R. Carpenter Company, Inc., Richmond, Virginia, United States (US), United States company or corporation (02) , December 15, 1993 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., CARPENTER CO. 5016 MONUMENT AVENUE RICHMOND, VA 23230, Reel and Frame Number: 006801/0457

... composition. In essence, the vinyl-type polymer polyols are prepared by ...

219. 4806694 , February 21, 1989 , Polyols, Powell, Richard L. - Tarporley, United Kingdom (GB); Young, Brian - Winsford, United Kingdom (GB), 098970 (07), September 10, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., IMPERIAL CHEMICAL INDUSTRIES PLC, IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SW10 3JF ENGLAND, A CORP. OF GREAT BRITAN, Reel and Frame Number: 004788/0792, Imperial Chemical Industries PLC, London, United Kingdom (GB), Foreign company or corporation (03) , April 29, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ZENECA LIMITED IMPERIAL CHEMICAL HOUSE 9 MILLBANK LONDON ENGLAND SW1P 3JF, Reel and Frame Number: 006965/0039

... polyols of the invention include vinyl type polymers made by polymerising ...

220. 4802769 , February 7, 1989 , Apparatus for treating thermoplastic resin, Tanaka, Shoichi - Numazu, Japan (JP), 947042 (06), February 26, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., TOSHIBA KIKAI KABUSHIKI KAISHA, 2-11, GINZA 4-CHOME, CHUO-KU, TOKYO-TO, JAPAN, Reel and Frame Number: 004696/0609, Veb Kombinat Polygraph "Werner Lamberz" Leipzig, Leipzig, Germany (DE), Foreign company or corporation (03)

... emulsion polymerization or a vinyl type polymer obtained by suspension or ...

... emulsion polymerization and a vinyl type polymer obtained by emulsion ...

... emulsion polymerization and a vinyl type polymer obtained by emulsion or ...

... graft polymer and a vinyl type polymer is synthesized in one ...  
 ... emulsion-lump polymerization, and the vinyl type polymer obtained by the method ...  
 ... suspension or lump polymerized vinyl type polymer, pellets of a vinyl type polymer, and a slurry of a suspension or lump shaped vinyl type polymer or pellets of a vinyl type polymer. More particularly the ABS ...  
 ... graft polymerized latex, vinyl type polymer beads obtained by ...  
 ... a slurry of a vinyl type polymer obtained by suspension polymerization or pellets of a vinyl type polymer obtained by lump ...  
 ... graft polymer and a vinyl type polymer capable of simplifying the steps of ...  
 ... graft polymer and a vinyl type polymer comprising the steps of (1) ...  
 ... containing polymer from a vinyl type polymer latex; (2) forming ...  
 ... forming a molten vinyl type polymer by continuous lump ...  
 ... polymerization and a molten vinyl type polymer obtained by continuous ...  
 ... used. As the molten vinyl type polymers may be mentioned the vinyl type polymers of II prepared by ...  
 ... P into which a molten vinyl type polymer is admitted under pressure, ...  
 ... polymer obtained from a vinyl type polymer latex, a slurry or ...

221. 4798694 , January 17, 1989 , Method for producing composite materials, Sugata, Hiroyuki - Atsugi, Japan (JP); Nakata, Kouhei - Yokohama, Japan (JP); Mizusawa, Nobutoshi - Sagamihara, Japan (JP); Yuasa, Satoshi - Yokohama, Japan (JP); Haruta, Masahiro - Tokyo, Japan (JP); Hamamoto, Takashi - Yokohama, Japan (JP); Osabe, Kuniji - Tama, Japan (JP), 893815 (06), August 6, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004588/0981, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
 ... other vinyl monomers; vinyl type polymers such as homopolymers comprising ...

222. 4795689 , January 3, 1989 , Electrostatic image developing toner for use in heat-roller fixing, Matsubara, Akitoshi - Hachioji, Japan (JP); Ikeuchi, Satoru - Hachioji, Japan (JP); Akimoto, Kunio - Hachioji, Japan (JP); Takizawa, Yoshio - Hachioji, Japan (JP), 088053 (07), August 21, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., KONISHIROKU PHOTO INDUSTRY CO., LTD., A CORP. OF JAPAN, Reel and Frame Number: 004789/0091, Konishiroku Photo Industry Co. Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) , September 22, 1989 - RELEASED BY SECURED PARTY (SEE DOCUMENT FOR DETAILS). EFFECTIVE DATE OCTOBER 21, 1987, KONICA CORPORATION, 26-2 NISHI-SHINJUKU 1 CHOME, SHINJUKU-KU, TOKYO, Reel and Frame Number: 005159/0302  
 ... formed by nonlinearizing vinyl-type polymers, polyesters, epoxy resins, ...  
 ... agent. Of these polymers, the nonlinearized vinyl-type polymers and the nonlinearized polyesters are particularly ...  
 ... Examples of the nonlinear amorphous vinyl-type polymer formed by the polymerization of the ...

223. 4785035 , November 15, 1988 , Curing composition, Palluel, August L. L. - Windsor, United Kingdom (GB); Davis, Stephen P. - High Wycombe Bucks, United Kingdom (GB); Fletcher, Angela C. - London, United Kingdom (GB), 114735 (07), October 30, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., IMPERIAL CHEMICAL INDUSTRIES PLC, IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SW1P 3JF ENGLAND A CORP. OF GREAT BRITAIN, Reel and Frame Number: 004783/0389, Imperial Chemical Industries PLC, London, United Kingdom (GB), Foreign company or corporation (03)  
 ... silyl-group containing vinyl type polymer having a number average ...  
 ... silyl-group containing vinyl type polymer having a molecular weight ...  
 ... silyl group-containing vinyl type polymer having a number average ...  
 ... a silane functional vinyl-type polymer of solids content 60%, and ...

224. 4780403 , October 25, 1988 , Silver halide color photographic material containing disulfide type bleach accelerator, Kishimoto, Shinzo - Kanagawa, Japan (JP); Mihayashi, Keiji - Kanagawa, Japan (JP), 940375 (06), July 28, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD., NO. 210, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004924/0652, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)  
 ... 1,2-bisvinylsulfonylacetamidoethane, a vinyl type polymer having vinylsulfonyl groups in its ...

225. 4755180 , July 5, 1988 , Dosage form comprising solubility regulating member, Ayer, Atul D. - Mt. View, California, United States (US); Wong, Patrick S. L. - Hayward, California, United States (US), 874961 (06), June 16, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., ALZA CORPORATION, A CORP. OF CA., Reel and Frame Number: 004564/0812, Alza Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... consisting essentially of olefin and vinyl-type polymers; condensation-type polymers; ...

226. 4708800 , November 24, 1987 , Hollow fiber membrane and method for manufacture thereof, Ichikawa, Toshiji - Chofu, Japan (JP); Takahara, Kazuaki - Tokyo, Japan (JP); Shimoda, Kazuhiro - Fuji, Japan (JP); Seita, Yukio - Fuji, Japan (JP); Emi, Makoto - Fujinomiya, Japan (JP), 782523 (06), October 1, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., TERUMO KABUSHIKI KAISHA T/A TERUMO CORPORATION 44-1 2-CHOME, HATAGAYA SHIBUYA-KU, TOKYO, JAPAN, Reel and Frame Number: 004464/0488, Terumo Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... density, etc. Generally, the vinyl type polymer --CH.sub.2 -- ...

227. 4702950 , October 27, 1987 , Bitumen backed carpet tile and method of production, Slosberg, David K. - Atlanta, Georgia, United States (US); Reece, David S. - Rome, Georgia, United States (US); Claessen, Johannes A. H. - Leusden, Netherlands (NL), 011624 (07), March 13, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., HEUGA HOLDING BV, INDUSTRIELAAN 15, POSTBUS 16, 3925 ZG SCHERPENSEEL, THE NETHERLANDS A CORP. OF THE NETHERLANDS, Reel and Frame Number: 004678/0092, Heuga Holding bv, Scherpenzeel, Netherlands (NL), Foreign company or corporation (03)

... lamination, such as a vinyl-type polymer, and more particularly, an alkylene ...

228. 4692336 , September 8, 1987 , Self controlled release device for administering beneficial agent to recipient, Eckenhoff, James B. - Los Altos, California, United States (US); Cortese, Richard - Los Gatos, California, United States (US); Landrau, Felix A. - Milpitas, California, United States (US), 763365 (06), August 7, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., ALZA CORPORATION, A CORP. OF CA., Reel and Frame Number: 004443/0438, ALZA Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... 12 include polyolefins, vinyl-type polymers, condensation-type polymers, and ...

229. 4687705 , August 18, 1987 , Magnetic recording medium, Miyatsuka, Hajime - Kanagawa, Japan (JP); Kasuga, Akira - Kanagawa, Japan (JP); Matsufuji, Akihiro - Kanagawa, Japan (JP); Kakuta, Takeshi - Kanagawa, Japan (JP), 731806 (06), June 1, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD., NO. 210, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004719/0658, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... resin such as polyester, vinyl type polymer or cellulose type derivative, ...

230. 4629449 , December 16, 1986 , Vaginal dispenser for dispensing beneficial hormone, Wong, Patrick S. - Hayward, California, United States (US), 714421 (06), August 11, 1986 - ASSIGNMENT OF ASSIGNORS INTEREST., ALZA CORPORATION, A CORP. OF CA., Reel and Frame Number: 004590/0237, ALZA Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... represented by olefin and vinyl-type polymers, carbohydrate-type polymers, ...

231. 4612228 , September 16, 1986 , Ultrafine fiber entangled sheet, Kato, Hiroyasu - Minami, Japan (JP); Yagi, Kenkichi - Otsu, Japan (JP), 602270 (06), Toray Industries, Inc., Tokyo, Japan (JP), Foreign company or corporation (03)

... substantially completely remove the vinyl type polymer sea component of the fiber. The ...

... 60 parts of a vinyl type polymer, obtained by copolymerizing ...

... substantially completely remove the vinyl type polymer sea component of the fiber. The ...

232. 4578515 , March 25, 1986 , Preparing N-vinylformamide, Dawson, Daniel J. - Los Altos, California, United States (US); Otteson, Kenneth M. - Redwood City, California, United States (US), 618420 (06), March 15, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE AUGUST 4, 1982, DYNAPOL SHAREHOLDERS' LIQUIDATING TRUST THE 265 ALBERT DRIVE SAN LUIS OBISPO, CA 93401, Reel and Frame Number: 004375/0534 August 29, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., AIR PRODUCTS AND CHEMICALS

CORPORATION, TREXLERTOWN, PA., A CORP. OF DE., Reel and Frame Number: 004448/0175, Air Products and Chemicals, Inc., Allentown, Pennsylvania, United States (US), United States company or corporation (02), June 23, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS), PITTSBURGH, UNIVERSITY OF 5TH AVENUE AND BIGELOW BOULEVARD PITTSBURGH, PENNSYLVANIA, 15260, Reel and Frame Number: 010892/0714

... as comonomers in "vinyl"-type polymers may be employed. ...

233. 4571364, February 18, 1986, Magnetic recording medium, Kasuga, Akira - Kanagawa, Japan (JP); Matsufuji, Akihiro - Kanagawa, Japan (JP); Yamada, Yasuyuki - Kanagawa, Japan (JP); Tsuji, Nobuo - Kanagawa, Japan (JP), 649326 (06), December 5, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST, FUJI PHOTO FILM CO., LTD., 10, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004484/0807, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... synthetic resin (e.g., polyester, vinyl type polymer or cellulose derivative), non- ...

234. 4555431, November 26, 1985, Magnetic recording medium, Miyatsuka, Hajime - Odawara, Japan (JP), 576990 (06), February 6, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST, FUJI PHOTO FILM CO., LTD. 210, NAKANUMA, MINAMI-ASHIGARA-SHI, KANAGAWA-KEN, JAPAN, Reel and Frame Number: 004295/0542, Fuji Photo Film Co., Ltd., Minami-ashigara, Japan (JP), Foreign company or corporation (03)

... resins such as polyesters, vinyl type polymers and cellulose type derivatives, ...

235. 4539222, September 3, 1985, Process for forming metal patterns wherein metal is deposited on a thermally depolymerizable polymer and selectively removed, Anderson, Herbert R. - Patterson, New York, United States (US); Araps, Constance J. - Wappingers Falls, New York, United States (US); Lotsko, Catherine A. - Beacon, New York, United States (US), 556733 (06), August 15, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST, INTERNATIONAL BUSINESS MACHINES CORPORATION, ARMONK, NY 10504 A NY CORP., Reel and Frame Number: 004289/0164, International Business Machines Corporation, Armonk, New York, United States (US), United States company or corporation (02)

... positive resist masks from vinyl-type polymers and copolymers in which one- ...

... Useful resists include vinyl type polymers such as lower alkyl ...

236. 4537833, August 27, 1985, Magnetic recording medium, Kasuga, Akira - Kanagawa, Japan (JP); Yamamoto, Nobuyuki - Kanagawa, Japan (JP); Miyatsuka, Hajime - Kanagawa, Japan (JP), 606097 (06), May 31, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST, FUJI PHOTO FILM CO., LTD., NO. 210, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004407/0607, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... as polyethylene terephthalate, vinyl type polymers, cellulose derivatives), non- ...

237. 4535049, August 13, 1985, Pressure-fixing toner for electrophotography and process for preparation thereof, Honda, Nobuyasu - Tenri, Japan (JP); Yamakawa, Toshiro - Osaka, Japan (JP); Ikeda, Toshimitsu - Himeji, Japan (JP), 519594 (06), May 7, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST, MITA INDUSTRIAL CO., LTD., 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU, OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004396/0288, Mita Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

238. 4535048, August 13, 1985, Toner for development of electrostatic charges, Inoue, Sukejiro - Yokohama, Japan (JP); Sasakawa, Masumi - Tokyo, Japan (JP); Fukumoto, Hiroshi - Kawasaki, Japan (JP); Doi, Shinji - Kawasaki, Japan (JP), 520576 (06), August 5, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST, CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004161/0777, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... in the art in vinyl type polymers, etc., and also the thermal characteristics ...

239. 4533617, August 6, 1985, Heat fixing developer of capsule structure, Inoue, Sukejiro - Yokohama, Japan (JP); Fukumoto, Hiroshi - Kawasaki, Japan (JP); Sasakawa, Masumi - Kamagaya, Japan (JP); Doi, Shinji - Kawasaki, Japan (JP), 497181 (06), May 23, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST, CANO KABUSHIKI KAISHA, 30-

2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004137/0287, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... colorant, coated with a vinyl type polymer having a glass transition ...  
... colorant, coated with a vinyl type polymer having a glass transition ...  
... polyester resin or a vinyl type polymer having a crosslinked structure with ...  
... resin comprises a vinyl type polymer having a glass transition ...  
... fourth embodiment is a vinyl type polymer having a crosslinked structure with ...  
... more, of a crosslinked vinyl type polymer having a glass transition ...  
... content of 20% or more. The vinyl type polymer contains as its constituent ...  
... 5, the thermally fused vinyl type polymer will be poor ...  
... colorant, coated with a vinyl type polymer having a glass transition ...  
... resin comprises a vinyl type polymer having a glass transition ...  
... resin being a vinyl type polymer having a glass transition ...  
... resin being a vinyl type polymer having a glass transition ...  
... resin being a vinyl type polymer having a glass transition ...  
... resin comprising a vinyl type polymer having a glass transition ...  
... resin being a vinyl type polymer having a glass transition ...  
... according to claim 16, wherein the vinyl type polymer having a crosslinked structure is ...  
... according to claim 16, wherein the vinyl type polymer having a crosslinked structure has ...

240. 4533614 , August 6, 1985 , Heat-fixable dry system toner, Fukumoto, Hiroshi - Kawasaki, Japan (JP); Inoue, Sukejiro - Yokohama, Japan (JP); Sasakawa, Masumi - Tokyo, Japan (JP); Doi, Shinji - Kawasaki, Japan (JP), 499548 (06), May 31, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004136/0917, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... in which a crosslinked vinyl type polymer is used as the binder ...  
... fixing point. Also, the crosslinked vinyl type polymer suffers from the drawback that the toner using the crosslinked vinyl type polymer as the binder resin ...

241. 4533552 , August 6, 1985 , Stabilization of azulene derivatives, Kawamata, Masanobu - Kyoto, Japan (JP); Ushimaru, Koichi - Kyoto, Japan (JP); Goshi, Hiroyuki - Shiga, Japan (JP); Miyasako, Hideichi - Moriyama, Japan (JP), 473452 (06), August 27, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST., NIPPON SHINYAKU CO., LTD 14 KISSHOIN, NISHINOSHO MONGUCHICHO MINAMI-KU, KYOTO 601 JAPAN, Reel and Frame Number: 004292/0490, Nippon Shinyaku Co., Ltd., Japan (JP), Foreign company or corporation (03)

... agents. Representative examples of them are vinyl type polymers (such as polyvinyl pyrrolidone, ...

242. 4526735 , July 2, 1985 , Process for producing fibrous assembly, Norota, Susumu - Ibaraki, Japan (JP); Segawa, Yasuhiko - Iwakuni, Japan (JP); Kiriya, Tsutomu - Matsuyama, Japan (JP); Emi, Shingo - Daito, Japan (JP); Imoto, Tadashi - Iwakuni, Japan (JP); Yamauchi, Tetsuo - Iwakuni, Japan (JP), 465339 (06), February 9, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., TEIJIN LIMITED 11, 1-CHOME, MINAMIHONMACHI, HIGASHI-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004121/0413, Teijin Limited, Osaka, Japan (JP), Foreign company or corporation (03)

... i) Olefin-type or vinyl-type polymers Polyethylene, polypropylene, polybutylene, ...

243. 4521364 , June 4, 1985 , Filament-like fibers and bundles thereof, and novel process and apparatus for production thereof, Norota, Susumi - Iwakuni, Japan (JP); Kiriya, Tsutomu - Iwakuni, Japan (JP); Imoto, Tadashi - Iwakuni, Japan (JP); Azumi, Toshinori - Iwakuni, Japan (JP), 394891 (06), Teijin Limited, Tokyo, Japan (JP), Foreign company or corporation (03)

... fibers. (i) Olefinic or vinyl-type polymers Polyethylene, polypropylene, polybutylene, ...

244. 4518726 , May 21, 1985 , Metallic base paint, Kato, Yasushi - Kobe, Japan (JP); Furukawa, Hisao - Kobe, Japan (JP), 365937 (06), April 5, 1982 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA 2-4, 3-CHOME, NAKANO-SHIMA, KITA-KU, OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004014/0784, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... substantially comprises a vinyl type polymer chain and contains at least ...  
... substantially comprises a vinyl type polymer chain and contains at least ...  
... silyl group containing vinyl type polymer was obtained. EXAMPLE 2 ...

245. 4513058 , April 23, 1985 , Impact resistant high air retention bladders, Martin, Robin A. - Park Ridge, Illinois, United States (US), 601297 (06), October 15, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST., WILSON SPORTING GOODS CO. RIVER GROVE, IL A CORP. OF DE, Reel and Frame Number: 004317/0969, Wilson Sporting Goods Co., River Grove, Illinois, United States (US), United States company or corporation (02) , November 19, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., FIRST NATIONAL BANK OF BOSTON, THE, AS AGENT, Reel and Frame Number: 004478/0306 May 18, 1987 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., FIRST NATIONAL BANK OF CHICAGO THE, AS AGENT, Reel and Frame Number: 004707/0669 May 18, 1987 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., FIRST NATIONAL BANK OF CHICAGO, THE (AGENT), Reel and Frame Number: 004707/0711 October 30, 1987 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., CONNECTICUT BANK AND TRUST COMPANY, NATIONAL ASSOCIATION, AS TRUSTEE, THE, Reel and Frame Number: 004811/0377  
... methyl methacrylate. Another vinyl-type polymers which may be used is ...

246. 4507194 , March 26, 1985 , Reference electrode, Shimomura, Takeshi - Kawasaki, Japan (JP); Yamaguchi, Shuichiro - Kawasaki, Japan (JP); Ushizawa, Norihiko - Honmachi, Japan (JP); Oyama, Noboru - Higashikurume, Japan (JP), 518354 (06), July 29, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., TERUMO KABUSHIKI KAISHA T/A TERUMO CORPORATION; 44-1, 2-CHOME, HATAGAYA, SHIBUYA-KU, TOKYO, JAPAN A CORP OF JAPAN, Reel and Frame Number: 004159/0516, Terumo Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... compound type polymer or vinyl type polymer (inclusive of a cross- ...

247. 4504562 , March 12, 1985 , One-component type magnetic developer comprises particles of cubic magnetite, Miyakawa, Nobuhiro - Suita, Japan (JP); Fujii, Masanori - Suita, Japan (JP); Maekawa, Kouzi - Kyoto, Japan (JP), 507901 (06), Mita Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

248. 4499168 , February 12, 1985 , Fixing method, Mitsuhashi, Yasuo - Yokohama, Japan (JP), 605973 (06), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)  
... developing powder containing therein vinyl type polymers having at least one molecular ...  
... developing powder containing therein vinyl type polymer material having at least one ...  
... rendered by a vinyl type polymer having a molecular peak ...  
... measure the molecular weight of the vinyl type polymer at its peak value position ...  
... index) detector is used. The vinyl type polymer suitable for the present ...  
... singly or in combination. Of these vinyl type polymers, the styrene type copolymers are found to be preferable. These vinyl type polymers having the abovementioned G.P.C chromatogram are ...  
... type copolymers with other vinyl type polymers. In this case, blending ...  
... respect to the total quantity of the vinyl type polymer blend. The styrene type ...  
... contain, besides the abovementioned vinyl type polymers, the following compounds at a ratio less than the content of the vinyl type polymers. Such compounds are: silicone resin, ...

249. 4491627 , January 1, 1985 , Light-sensitive silver halide photographic material with microcapsules that dissolve at pH of at least 7, Iijima, Toshifumi - Hino, Japan (JP); Koboshi, Shigeharu - Hino, Japan (JP); Yamazaki, Hiroshi - Hino, Japan (JP), 456780 (06), January 10, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., KONISHIROKU PHOTO INDUSTRY CO., LTD. 1-16-2, NISHI-SHINJUKU, SINJUKU-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004083/0111, Konishiroku Photo Industry Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03) , September 22, 1989 - RELEASED BY SECURED PARTY (SEE DOCUMENT FOR DETAILS). EFFECTIVE DATE OCTOBER 21, 1987, KONICA CORPORATION, 26-2 NISHI-SHINJUKU 1 CHOME, SHINJUKU-KU, TOKYO, Reel and Frame Number: 005159/0302  
... used in this invention are vinyl type polymers having carboxylic groups or sulfo ...

250. 4490557 , December 25, 1984 , Ethylidene bisformamide, its preparation and use in preparing poly(vinylamine) and salts thereof, Dawson, Daniel J. - Los Altos, California, United States (US); Otteson, Kenneth M. - Redwood City, California, United States (US), 318615 (06), November 5, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., DYNAPOL, A CORP. OF CA., Reel and Frame Number: 003944/0357, Dynapol, Palo Alto, California, United States (US), United States company or corporation (02) , March 15, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE AUGUST 4, 1982, DYNAPOL SHAREHOLDERS' LIQUIDATING TRUST THE 265 ALBERT DRIVE SAN LUIS OBISPO, CA 93401, Reel and Frame Number: 004375/0534 August 29, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., AIR PRODUCTS AND CHEMICALS CORPORATION, TREXLERTOWN, PA., A CORP. OF DE., Reel and Frame Number: 004448/0175 June 23, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PITTSBURGH, UNIVERSITY OF 5TH AVENUE AND BIGELOW BOULEVARD PITTSBURGH, PENNSYLVANIA, 15260, Reel and Frame Number: 010892/0714

... as comonomers in "vinyl"-type polymers may be employed. ...

251. 4477628 , October 16, 1984 , Composition with improved pot life, Kato, Yasushi - Kobe, Japan (JP); Furukawa, Hisao - Kobe, Japan (JP), 405334 (06), June 27, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, 2-4, 3-CHOME, NAKANOSHIMA, KITAKU, OSAKA, JAPAN, A JAPANESE CORP., Reel and Frame Number: 004142/0109, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... hardening agent for vinyl type polymers, disadvantageously, they tend to stain the ...

... built up of a vinyl type polymer, and containing at least one ...

... a result, a vinyl type polymer containing an allyl type ...

... disappeared. It was thus apparent that a vinyl type polymer having a silyl radical was ...

252. 4476186 , October 9, 1984 , Ultrafine fiber entangled sheet and method of producing the same, Kato, Hiroyasu - Kyoto, Japan (JP); Yagi, Kenkichi - Otsu, Japan (JP), 479970 (06), March 29, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., TORAY INDUSTRIES, INC., 2, NIHONBASHI-MUROUCHI 2-CHOME, CHUO-KU, TOKYO, 103 JAPAN, Reel and Frame Number: 004130/0132, Toray Industries, Inc., Tokyo, Japan (JP), United States company or corporation (02)

... 30 parts of a vinyl type polymer, obtained by copolymerizing ...

... consisting of 60 parts of vinyl type polymer obtained by copolymerizing ...

... trichloroethylene and squeezed to extract the vinyl type polymer sea component of the fibers. ...

... squeezed to extract and remove the vinyl type polymer sea component of the fiber, ...

... 60 parts of a vinyl type polymer obtained by copolymerizing ...

... dried so as to plasticize the vinyl type polymer sea component. A ...

... substantially completely remove the vinyl type polymer sea component of the fiber. The ...

253. 4468435 , August 28, 1984 , Process for the production of highly expanded polyolefin insulated wires and cables, Shimba, Hiroshi - Yokohama, Japan (JP); Suzuki, Fumio - Yokohama, Japan (JP); Yuto, Masao - Yokohama, Japan (JP), 279400 (06), July 2, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST., SUMITOMO ELECTRIC INDUSTRIES, LTD. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA, JAPAN, Reel and Frame Number: 004275/0500, Sumitomo Electric Industries, Ltd., Osaka, Japan (JP), Foreign company or corporation (03) , May 25, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SUZUKI, FUMIO 2-23, KATASE 2-CHOME FUJISAWA-SHI, KANAGAWA, (1), Reel and Frame Number: 009950/0771

... homopolymers and copolymers of ethylene, vinyl type polymers or other series which have a ...

254. 4465737 , August 14, 1984 , Magnetic recording medium, Miyatuka, Hajime - Kanagawa, Japan (JP); Kasuga, Akira - Kanagawa, Japan (JP); Matsufuji, Akihiro - Kanagawa, Japan (JP); Sugisaki, Tsutomu - Kanagawa, Japan (JP), 462179 (06), June 6, 1984 - ASSIGNMENT OF ASSIGNORS INTEREST., FUJI PHOTO FILM CO., LTD., NO. 10, NAKANUMA, MINAMI ASHIGARA-SHI, KANAGAWA, JAPAN, Reel and Frame Number: 004264/0044, Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)

... resin such as polyester, vinyl type polymer or cellulose derivative, a ...

255. 4440830 , April 3, 1984 , Substrates coated with release composition based on polyvinyl alcohol and composites with pressure sensitive adhesives, Wempe, Lawrence K. - R.D. #1, Center Valley, Pennsylvania, United States (US), 437406 (06)



... emulsion of a crosslinkable vinyl-type polymer and a release promoting ...

256. 4435536 , March 6, 1984 , One-pack composition, Kato, Yasushi - Kobe, Japan (JP); Furukawa, Hisao - Kobe, Japan (JP), 360274 (06), March 22, 1982 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA; 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 003989/0288, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... substantially comprising a vinyl type polymer chain and containing at least ...

... substantially comprising a vinyl type polymer chain and containing a ...

... substantially comprises a vinyl type polymer chain and contains at least ...

... substantially comprises a vinyl type polymer chain and contains at least ...

257. 4429079 , January 31, 1984 , Ethylene/alpha-olefin copolymer composition, Shibata, Yuzo - Nishinomiya, Japan (JP); Naganuma, Seikoh - Ohtake, Japan (JP), 359714 (06), March 11, 1982 - ASSIGNMENT OF ASSIGNORS INTEREST., MITSUI PETROCHEMICAL INDUSTRIES, LTD. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO 100, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004015/0421, Mitsui Petrochemical Industries, Ltd., Japan (JP), Foreign company or corporation (03) , June 14, 1998 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., MITSUI CHEMICALS, INC. CHIYODA-KU 2-5, KASUMIGASEKI 3-CHOMETOKYO, (1), Reel and Frame Number: 009297/0678

... methyl-1-pentene; vinyl-type polymers such as polyvinyl chloride, ...

258. 4429006 , January 31, 1984 , Filament-like fibers and bundles thereof, and novel process and apparatus for production thereof, Norota, Susumu - Iwakuni, Japan (JP); Kiriya, Tsutomu - Iwakuni, Japan (JP); Imoto, Tadashi - Iwakuni, Japan (JP); Azumi, Toshinori - Iwakuni, Japan (JP), 394892 (06), Teijin Limited, Tokyo, Japan (JP), Foreign company or corporation (03)

... fibers. (i) Olefinic or vinyl-type polymers Polyethylene, polypropylene, polybutylene, ...

259. 4427824 , January 24, 1984 , Method for dispersing pigments, Kato, Yasushi - Kobe, Japan (JP); Furukawa, Hisao - Kobe, Japan (JP), 316787 (06), November 2, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 003952/0982, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... for example, polyesters, vinyl type polymers, diallyl phthalate type ...

... as the copolymer component. Vinyl type polymers having carbon-carbon double ...

... as polyester, a vinyl type polymer, etc, with .gamma.-glycidoxypropyltrimethoxysilane. The ...

... hours, to obtain a vinyl type polymer containing an allyl type ...

... silyl group containing vinyl type polymer was obtained. EXAMPLE 4 ...

... silyl group containing vinyl type polymer having a molecular weight of ...

260. 4418183 , November 29, 1983 , Method for the production of high concentrations of emulsion polymers, Chiang, Albert C. - Danbury, Connecticut, United States (US), 320360 (06), November 12, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., PITNEY BOWES INC., WALTER H. WHEELER, JR. DR., STAMFORD, CT. A CORP. OF DE., Reel and Frame Number: 003946/0054, Pitney Bowes Inc., Stamford, Connecticut, United States (US), United States company or corporation (02)

... for the production of Acrylate and Vinyl type polymers. Any suitable monomer may ...

261. 4416964 , November 22, 1983 , Dry magnetic developer containing a non-pulverizing agglomerate of cubic magnetite particles, Miyakawa, Nobuhiro - Suita, Japan (JP); Teshima, Takashi - Amagasaki, Japan (JP); Koyama, Haruo - Hirakata, Japan (JP); Maekawa, Kouji - Kyoto, Japan (JP); Fujii, Masanori - Suita, Japan (JP), 296505 (06), Mita Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

262. 4414322 , November 8, 1983 , Two-component type magnetic developer, Miyakawa, Nobuhiro - Suita, Japan (JP); Fujii, Masanori - Suita, Japan (JP); Maekawa, Kouji - Kyoto, Japan (JP), 341820 (06), May 23, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., MITA INDUSTRIAL CO., LTD., 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU,

OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004130/0082, Mita Industrial Co. Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

263. 4414321 , November 8, 1983 , Dry composite blended magnetic developer of resin encapsulated fine magnetite and resin encapsulated coarse magnetite, Miyakawa, Nobuhiro - Suita, Japan (JP); Fujii, Masanori - Suita, Japan (JP); Maekawa, Kouzi - Kyoto, Japan (JP), 324652 (06), May 23, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., MITA INDUSTRIAL CO., LTD., 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU, OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004130/0076, Mita Industrial Co. Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

264. 4413099 , November 1, 1983 , Polymer composition and process for preparing same, Sowers, Edward E. - Mooresville, Indiana, United States (US); Goe, Gerald L. - Greenwood, Indiana, United States (US); Prunier, Michael L. - Greenfield, Indiana, United States (US), 301040 (06), January 25, 1982 - ASSIGNMENT OF ASSIGNORS INTEREST., REILLY TAR & CHEMICAL CORPORATION, 1510 MARKET SQUARE CENTER, INDIANAPOLIS, IND. 46204 A CORP. OF IND., Reel and Frame Number: 003944/0765, Reilly Tar & Chemical Corp., Indianapolis, Indiana, United States (US), United States company or corporation (02) , April 6, 1989 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS). EFFECTIVE 1/3/89 INDIANA, REILLY INDUSTRIES, Reel and Frame Number: 005093/0774  
... commercialized as valuable vinyl-type polymers for such uses as ...

265. 4407923 , October 4, 1983 , One component magnetic developer, Miyakawa, Nobuhiro - Suita, Japan (JP); Fujii, Masanori - Sakai, Japan (JP); Maekawa, Kouzi - Kyoto, Japan (JP); Koyama, Haruo - Hirakata, Japan (JP); Teshima, Takashi - Amagasaki, Japan (JP), 391721 (06), March 29, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., MITA INDUSTRIAL CO., LTD. 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004108/0107, Mita Industrial Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

266. 4401741 , August 30, 1983 , One-component type developer, Miyakawa, Nobuhiro - Suita, Japan (JP); Maekawa, Kouzi - Kyoto, Japan (JP), 382605 (06), February 25, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., MITA INDUSTRIAL CO., LTD., 2-28, 1-CHOME, TAMATSUKURI, HIGASHI-KU, OSAKA, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004098/0024, Mita Industrial Co. Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... preferred that the molecular weight of such vinyl type polymer be 3,000 to 300,000, ...

267. 4396700 , August 2, 1983 , Process for forming an image, Kitajima, Masao - Asaki, Japan (JP); Tachikawa, Hiromichi - Asaki, Japan (JP); Shinozaki, Fumiaki - Asaki, Japan (JP); Ikeda, Tomoaki - Asaki, Japan (JP), 331742 (06), Fuji Photo Film Co., Ltd., Kanagawa, Japan (JP), Foreign company or corporation (03)  
... polymeric material or a vinyl-type polymer. Examples of the rubber are natural ...  
... acetate butyrate. Examples of the vinyl-type polymer include polyvinyl chloride, ...  
... oils. When the rubber polymer or vinyl-type polymer is used, a plasticizer ...

268. 4393169 , July 12, 1983 , Moldable resin compositions containing polycarbonate styrene polymer and three phase graft polymer, Moriwaki, Takeshi - Sakai, Japan (JP); Tokuhara, Shinji - Himeji, Japan (JP), 320629 (06), November 12, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., DAICEL CHEMICAL INDUSTRIES, LTD., 1 TEPPO-CHO, SAKAI-SHI, OSAKA, JAPAN, Reel and Frame Number: 003946/0122, Daicel Chemical Industries, Ltd., Sakai, Japan (JP), Foreign company or corporation (03)  
... PA1 (A) an aromatic vinyl-type polymer; PA1 (B) a ...  
... composition comprising an aromatic vinyl-type polymer, a polycarbonate and a ...  
... weight of (A) an aromatic vinyl-type polymer and 5-95 parts ...  
... in detail. The aromatic vinyl-type polymer identified herein as (A) is ...  
... ester). Examples of the aromatic vinyl-type polymers (A) include polystyrene, ...  
... copolymer. In the aromatic vinyl-type polymer (A), an aromatic vinyl ...

... present invention, the aromatic vinyl-type polymer (A) and the polycarbonate (B) are ...  
... weight of the mixture of the aromatic vinyl-type polymer (A) and the polycarbonate (B). The ...

269. 4386183 , May 31, 1983 , Release coatings based on polyvinyl alcohol, Wempe, Lawrence K. - Center Valley, Pennsylvania, United States (US), 254833 (06), April 16, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., AIR PRODUCTS AND CHEMICALS, INC., P.O. BOX 538, ALLENTOWN, PA. 18105 A CORP. OF DE., Reel and Frame Number: 003879/0658, Air Products and Chemicals, Inc., Allentown, Pennsylvania, United States (US), United States company or corporation (02) , January 8, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CELANESE INTERNATIONAL CORPORATION 1601 WEST LBJ FREEWAY DALLAS, TEXAS, 75234, Reel and Frame Number: 011449/0366  
... emulsion of a crosslinkable vinyl-type polymer and a release promoting ...

270. 4383926 , May 17, 1983 , Process of demulsifying and/or clarifying aqueous systems with azetidinium polymers, Buriks, Rudolf S. - St. Louis, Missouri, United States (US); Lovett, Eva G. - St. Louis, Missouri, United States (US), 339522 (06), Petrolite Corporation, St. Louis, Missouri, United States (US), United States company or corporation (02)  
... radical conditions with other vinyl-type polymers, i.e., those monomers having a ##STR4## ...

271. 4377663 , March 22, 1983 , Composition, Wakabayashi, Hiroshi - Kobe, Japan (JP), 305326 (06), September 24, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 003933/0542, Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... soluble resin; and a vinyl type polymer obtained by polymerizing ...  
... invention relating to a vinyl type polymer emulsion, obtained by ...  
... maleinized DCPD polymer). This vinyl type polymer emulsion undergoes rapid ...  
... maintaining the excellent properties of vinyl type polymer emulsion obtained by ...  
... soluble resin and a vinyl type polymer emulsion obtained by ...  
... DCPD polymer. The ratio of the vinyl type polymer to the oxidation curable type ...  
... mixture of (a) a vinyl type polymer obtained by polymerizing ...  
... emulsion itself. To mix these, the vinyl type polymer emulsion may be ...

272. 4355075 , October 19, 1982 , Novel filament-like fibers and bundles thereof, and novel process and apparatus for production thereof, Norota, Susumu - Iwakuni, Japan (JP); Kiriya, Tsutomu - Iwakuni, Japan (JP); Imoto, Tadashi - Iwakuni, Japan (JP); Azumi, Toshinori - Iwakuni, Japan (JP), 133288 (06), Teijin Limited, Osaka, Japan (JP), Foreign company or corporation (03)  
... fibers. (i) Olefinic or vinyl-type polymers Polyethylene, polypropylene, polybutylene, ...

273. 4352726 , October 5, 1982 , Ion selective field-effect sensor, Sugano, Takuo - Tokyo, Japan (JP); Niki, Eiji - Tokyo, Japan (JP); Okabe, Yoichi - Tokyo, Japan (JP); Akiyama, Tatsuo - Tokyo, Japan (JP), 201637 (06), February 9, 1982 - ASSIGNMENT OF ASSIGNORS INTEREST., MUKAIBO, TAKASHI, PRESIDENT, UNIVERSITY OF TOKYO, 3-1, HONGO 7-CHOME, BUNKYO-KU, TOKYO, JAPAN, Reel and Frame Number: 003948/0113, Takashi Mukaibo, Tokyo, Japan (JP), Foreign company or corporation (03)  
... be made of (a) vinyl-type polymers obtained by radical or ...

274. 4352701 , October 5, 1982 , Process for the production of highly expanded polyolefin insulated wires and cables, Shimba, Hiroshi - Yokohama, Japan (JP); Suzuki, Fumio - Yokohama, Japan (JP); Yuto, Masao - Yokohama, Japan (JP), 143684 (06), Sumitomo Electric Industries, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)  
... homopolymers and copolymers of ethylene, vinyl type polymers or other series which have a ...

275. 4326481 , April 27, 1982 , Urine collection procedure for cats and apparatus therefor, Gruss, John E. - Burke, Virginia, United States (US), 203482 (06)  
... preferred. The preferred family of these vinyl type polymers of low density are illustrated ...

276. 4322487 , March 30, 1982 , Composite electrically photosensitive particles for electrophoretic migration imaging process, Merrill, Stewart H. - Rochester, New York, United States (US); Stahly, Frederick A. - Rochester, New York, United States (US); Turnblom, Ernest W. - Rochester, New York, United States (US); Wright, Beth G. - Rochester,

New York, United States (US); Wright, Hal E. - Rochester, New York, United States (US), 064972 (06), December 11, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., EASTMAN KODAK COMPANY, ROCHESTER, N.Y. A CORP. OF NJ., Reel and Frame Number: 003933/0259, Eastman Kodak Company, Rochester, New York, United States (US), United States company or corporation (02)

... polycarbonates, polyacrylates, or other vinyl type polymers, polyamides, polyacetals, polyarylamines, or ...

277. 4317758 , March 2, 1982 , Viscosity-stabilized aqueous solutions, Bruning, Donald D. - Bartlesville, Oklahoma, United States (US), 144085 (06), Phillips Petroleum Company, Bartlesville, Oklahoma, United States (US), United States company or corporation (02)

... polymers are water-soluble, vinyl-type polymers characterized by substantial ...

278. 4314013 , February 2, 1982 , Particle formation by double encapsulation, Chang, Yew C. - Oakville, Canada (CA), 027176 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... synthetic polymers include vinyl-type polymers having characteristic monomeric structure; and ...

279. 4313888 , February 2, 1982 , N-3-(Cis-9-octadecenoyloxy)-2-hydroxypropylamine derivative, Honda, Keiichi - Odawara, Japan (JP); Nishijima, Yasushi - Kamakura, Japan (JP), 187045 (06), September 15, 1980 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEBO LTD., 17-4, SUMIDA 5-CHOME, SUMIDA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 003816/0214, Kanebo Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... emulsions (for example, vinyl type polymer emulsions, w/o ...

280. 4302553 , November 24, 1981 , Interpenetrating polymeric networks, Frisch, Harry L. - 132 Mosher Rd., Delmar, New York, United States (US); Frisch, Kurt C. - 17986 Parke La., Grosse Ile, Michigan, United States (US); Klempner, Daniel - 29340 Dequindre Rd., Apt. 204, Warren, Michigan, United States (US), 303272 (05), Frisch, Harry L., Delmar, New York, United States (US), United States individual (04) Frisch, Kurt C., Grosse Ile, Michigan, United States (US), United States individual (04) Klempner, Daniel, Warren, Michigan, United States (US), United States individual (04)

... similar polymers such as the vinyl type polymers are known in the art. ...

281. 4277580 , July 7, 1981 , Terpolymer of N-vinyl pyrrolidone in alkoxylated form, Allen, Joseph C. - Bellaire, Texas, United States (US); Tate, Jack F. - Houston, Texas, United States (US), 084698 (06), Texaco Inc., White Plains, New York, United States (US), United States company or corporation (02)

... persulfate, etc. The preparation of such vinyl-type polymers is described in detail ...

282. 4252678 , February 24, 1981 , Preparation of colloidal dispersions of ruthenium, rhodium, osmium and iridium by the polymer-catalyzed decomposition of carbonyl cluster compounds thereof, Smith, Thomas W. - Penfield, New York, United States (US), 100311 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... Typical polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

283. 4252677 , February 24, 1981 , Preparation of colloidal dispersion of nickel, palladium and platinum by the polymer-catalyzed decomposition of carbonyl compounds thereof, Smith, Thomas W. - Penfield, New York, United States (US), 100310 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... Typical polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

284. 4252676 , February 24, 1981 , Preparation of colloidal group VII-A transition metal dispersions by the polymer-catalyzed decomposition of carbonyl and organocarbonyl compounds thereof, Smith, Thomas W. - Penfield, New York, United States (US), 100309 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... Typical polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

285. 4252675 , February 24, 1981 , Preparation of colloidal group VI-A transition metal dispersions by the polymer-catalyzed decomposition of carbonyl compounds thereof, Smith, Thomas W. - Penfield, New York, United States (US), 100308 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... Typical polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

286. 4252674 , February 24, 1981 , Preparation of colloidal cobalt dispersions by the polymer-catalyzed decomposition of cobalt carbonyl and cobalt organocarbonyl compounds, Smith, Thomas W. - Penfield, New York, United States (US), 100307 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... passive polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

287. 4252672 , February 24, 1981 , Preparation of colloidal iron dispersions by the polymer-catalyzed decomposition of iron carbonyl and iron organocarbonyl compounds, Smith, Thomas W. - Penfield, New York, United States (US), 100305 (06), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... passive polymers of this type are vinyl type polymers containing alkenyl, phosphine, ...

288. 4238381 , December 9, 1980 , Process for producing a non-aqueous system dispersed solution of polymers from polymeric peroxides, Komai, Takeshi - Aichi, Japan (JP); Matsushima, Masaru - Aichi, Japan (JP), 054239 (06), Nippon Oil and Fats Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... dispersion depends on the kind of vinyl-type polymer or polymers which is made into the insoluble ...

289. 4237885 , December 9, 1980 , Delivery system with mated members for storing and releasing a plurality of beneficial agents, Wong, Patrick S. L. - Palo Alto, California, United States (US); Pharriss, Bruce B. - Palo Alto, California, United States (US), 953480 (05), Alza Corporation, Palo Alto, California, United States (US), United States company or corporation (02)

... use include olefins and vinyl-type polymers, carbohydrate-type polymers, ...

290. 4237215 , December 2, 1980 , Heat-developable light-sensitive material, Ikenoue, Shinpei - Asaki, Japan (JP); Masuda, Takao - Asaki, Japan (JP), 898043 (05), Fuji Photo Film Co., Ltd., Minami-ashigara, Japan (JP), Foreign company or corporation (03)

... gelatin or gelatin derivatives with vinyl type polymer latexes and cellulose derivatives ...

291. 4219429 , August 26, 1980 , Composition and process for stimulating well production, Allen, Joseph C. - Bellaire, Texas, United States (US); Tate, Jack F. - Houston, Texas, United States (US), 908174 (05), Texaco Inc., White Plains, New York, United States (US), United States company or corporation (02)

... persulfate, etc. The preparation of such vinyl-type polymers is described in detail ...

292. 4218247 , August 19, 1980 , Photoconductive resin containing tertiary amino groups for electrophotography, Hara, Shigeyoshi - Hino, Japan (JP); Omae, Iwao - Hino, Japan (JP), 933577 (05), Teijin Limited, Osaka, Japan (JP), Foreign company or corporation (03)

... opening polymerized polymers and vinyl type polymers can be used ...

... a soft segment, vinyl-type polymers such as polystyrene, polyacrylates, ...

293. 4217230 , August 12, 1980 , Secondary recovery process, Hunter, Walter D. - Houston, Texas, United States (US), 917050 (05), Texaco Development Corporation, White Plains, New York, United States (US), United States company or corporation (02)

... persulfate, etc. The preparation of such vinyl-type polymers is described in detail ...

294. 4210205 , July 1, 1980 , Secondary recovery process, Allen, Joseph C. - Bellaire, Texas, United States (US); Tate, Jack F. - Houston, Texas, United States (US), 908172 (05), Texaco Inc., White Plains, New York, United States (US), United States company or corporation (02)

... persulfate, etc. The preparation of such vinyl-type polymers is described in detail ...

295. 4204086 , May 20, 1980 , Process for the production of highly expanded polyolefin insulated wires and cables, Suzuki, Fumio - Yokohama, Japan (JP), 661875 (05), Sumitomo Electric Industries, Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... homopolymers and copolymers of ethylene, vinyl type polymers or other series which have a ...

296. 4199487 , April 22, 1980 , Aqueous resin composition cross-linkable by oxidation, Nakayama, Yasuharu - Hiratsuka, Japan (JP); Aihara, Tetsuo - Hiratsuka, Japan (JP), 895081 (05), Saegusa International Patent Office, Osaka, Japan (JP), Foreign company or corporation (03)

... bond of the vinyl or non-vinyl type are polymers of diene monomers having 4 to ...

297. 4177179 , December 4, 1979 , Aqueous cold setting paint, Kurihara, Kenji - Atsugi, Japan (JP); Kasahara, Shigekazu - Sagamihara, Japan (JP); Suzuki, Takashi - Chofu, Japan (JP), 930697 (05), Toyo Soda Manufacturing Co., Ltd., Yamaguchi, Japan (JP), Foreign company or corporation (03)

... for preparing emulsions of vinyl type polymers with an emulsifier of a maleinized ...

298. 4153587 , May 8, 1979 , High inorganic filler content composition, Yui, Hiroshi - Yokkaichi, Japan (JP), 794612 (05), Mitsubishi Petrochemical Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... by admixing a vinyl type polymer with an inorganic filler, and then crushing the ...

... surface to be subjected to the vinyl type polymer. Suitable polymerizable monomers which ...

299. 4135925 , January 23, 1979 , Methods of changing color by image disruption, Wells, John B. - Savannah, New York, United States (US), 406056 (05), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... synthetic polymers include vinyl-type polymers having the characteristic monomeric structure: > ...

300. 4120728 , October 17, 1978 , Thermally developable light-sensitive material, Ikenoue, Shinpei - Asaka, Japan (JP); Masuda, Takao - Asaka, Japan (JP), 680417 (05), Fuji Photo Film Co., Ltd., Minami-ashigara, Japan (JP), Foreign company or corporation (03)

... mixtures thereof with latex-like vinyl type polymers, cellulose derivatives and synthetic ...

301. 4119582 , October 10, 1978 , Process for manufacturing high-resilient flexible urethan foams, Matsubara, Kiyoshi - Yokohama, Japan (JP); Nomura, Yuichi - Yokohama, Japan (JP); Yatomi, Tadashi - Yokohama, Japan (JP); Hamamura, Tadashi - Yokohama, Japan (JP); Noda, Isao - Yokohama, Japan (JP); Watanabe, Terumi - Yokohama, Japan (JP); Nomura, Takao - Nagoya, Japan (JP); Sakata, Isao - Toyoda, Japan (JP), 656979 (05), Mitsui-Nisso Corporation, Tokyo, Japan (JP), Foreign company or corporation (03) Nippon Unicar Company, Limited, Tokyo, Japan (JP), Foreign company or corporation (03) Toyota Jidosha Kogyo Kabushiki Kaisha, ALL OF, Japan (JP), Foreign company or corporation (03) , September 26, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST. 33 1/3, MITSUI TOATSU CHEMICALS INC., 2-5, 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 004459/0801

... by weight of a vinyl type polymer and in which its hydroxyl number ...

... a grafted and/or dispersed vinyl type polymer as polyalkylene ether ...

... 2 to 10% of a vinyl type polymer, and has an hydroxyl number ranging from ...

... by weight of a vinyl type polymer. Such polyalkylene ether polyol ...

... a grafted and/or dispersed vinyl type polymer, and particularly preferable is 3 to 6%. If the content of the vinyl type polymer is less than 2%, it becomes ...

... becomes insufficient; and if the content of vinyl type polymer exceeds 10% the resultant ...

... a given content of vinyl type polymer, a given hydroxyl ...

... a grafted and/or dispersed vinyl type polymer, polyalkylene ether polyol ...

... but since a vinyl type polymer was not contained in ...

... influences when the content of a vinyl type polymer in polyalkylene ether ...

... 11 where the content of a vinyl type polymer is comparatively high (8%), ...

302. 4113482 , September 12, 1978 , Migration imaging method involving color change, Wells, John B. - Savannah, New York, United States (US), 735344 (05), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... synthetic polymers include vinyl-type polymers having the characteristic monomeric structure: > ...

303. 4099062 , July 4, 1978 , Electron beam lithography process, Kitcher, James Robert - Poughkeepsie, New York, United States (US), 754310 (05), International Business Machines Corporation, Armonk, New York, United States (US), United States company or corporation (02)

... olefin-sulfone polymer; vinyl type polymers and copolymers, for example, those ...

304. 4096099 , June 20, 1978 , Porous synthetic resin film, Koyama, Kenji - Shin-nanyo, (JA); Ohno, Syotaro - Shin-nanyo, (JA), 686573 (05), Toyo Soda Manufacturing Co., Ltd., (JA), Foreign company or corporation (03)

... Suitable components include vinyl type polymers such as polyacrylonitrile, polymethacrylonitrile, ...

305. 4090991 , May 23, 1978 , Process for preparation of oil-in-water emulsions of vinyl polymers, Fukusaki, Hiroshi - Wakayama, (JA); Niki, Masao - Wakayama, (JA); Yokota, Yukinaga - Wakayama, (JA), 765074 (05), Kao Soap Co., Ltd., Tokyo, (JA), Foreign company or corporation (03)

... type emulsion of a vinyl-type polymer by emulsion polymerization of ...

... process for the preparation of vinyl-type polymer emulsions using maleic ...

... in-water emulsions of vinyl-type polymers comprising emulsion-polymerizing ...

... integrated polymer of the emulsifier and the vinyl-type polymer formed by copolymerization of the ...

... acetate and amyl acetate. The vinyl-type polymer emulsion prepared according to the ...

306. 4074536 , February 21, 1978 , Oil well consolidation treating, Young, Bill M. - Duncan, Oklahoma, United States (US), 710751 (05), Halliburton Company, Duncan, Oklahoma, United States (US), United States company or corporation (02)

... based consolidation systems, and the vinyl type polymer consolidation systems. Since the ...

307. 4066589 , January 3, 1978 , Solvent repellent complexes, Langford, Nathaniel P. - Somerset, Wisconsin, United States (US); Perrault, Edward W. - Roseville, Minnesota, United States (US), 580197 (05), Minnesota Mining and Manufacturing Company, St. Paul, Minnesota, United States (US), United States company or corporation (02)

... fluorine-containing, elastomeric, vinyl-type polymer in which from 10 to 75 ...

308. 4063530 , December 20, 1977 , Image fixing, Thettu, Raghulinga Reddy - Webster, New York, United States (US); Lin, Luke C. - Brighton, New York, United States (US), 701446 (05), Xerox Corporation, Stamford, Connecticut, United States (US), United States company or corporation (02)

... synthetic polymers including vinyl-type polymers having the characteristic monomeric structure:> ...

309. 3997472 , December 14, 1976 , Novel catalyst systems and methods of preparation, O'Driscoll, Kenneth F. - Waterloo, Canada (CA); Rempel, Garry L. - Waterloo, Canada (CA), 522490 (05), Polymeric Enzymes, Inc., Buffalo, New York, United States (US), United States company or corporation (02)

... be used for vinyl-type polymers include methyl methacrylate, ...

310. 3987215 , October 19, 1976 , Resist mask formation process, Cortellino, Charles A. - Wappingers Falls, New York, United States (US), 462688 (05), International Business Machines Corporation, Armonk, New York, United States (US), United States company or corporation (02)

... 137. Such resists include vinyl type polymers such as those derived, for ...

311. 3975381 , August 17, 1976 , Process for preparing .gamma.-lactone derivatives, Kondo, Kiyosi - Yamato, (JA); Mori, Fumio - Kawachinagano, (JA), 536781 (05), Sagami Chemical Research Center, Tokyo, (JA), Foreign company or corporation (03)

... monomer for the production of vinyl-type polymers. As is apparent from the structure of the ...

312. 3964955 , June 22, 1976 , Bonding method using olefin-acrylic ester copolymer, Hirooka, Masaaki - Ibaragi, (JA); Fujii, Yoshikazu - Ibaragi, (JA); Morita, Shigeru - Ibaragi, (JA); Namazue, Isamu - Toyonaka, (JA); Hata, Kazuhiko - Takatsuki, (JA), 474177 (05), Sumitomo Chemical Company, Limited, Osaka, (JA), Foreign company or corporation (03)

... chlorinated polypropylenes and derivatives thereof; vinyl type polymers such as polyacrylic esters, ...

313. 3954691 , May 4, 1976 , Glass enamel medium, Wolcott, Norman G. - Mentor, Ohio, United States (US); Thomas, Jerome D. - Eastlake, Ohio, United States (US), 544990 (05), The Harshaw Chemical Company, Cleveland, Ohio, United States (US), United States company or corporation (02) , October 21, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., HARSHAW/FILTROL PARTNERSHIP, 300 LAKSIDE DRIVE, OAKLAND, CA. A PARTNERSHIP OF DE, Reel and Frame Number: 004190/0754 August 26, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., HARSHAW CHEMICAL COMPANY, A CORP. OF NJ, Reel and Frame Number: 004944/0961  
... medium being incompatible vinyl-type polymers, solid at room temperature, having ...

314. 3949021 , April 6, 1976 , Cross-linked n-vinyl pyrrolidone polymer composition suitable for contact lenses, Kunitomo, Tetsunosuke - Kamakura, (JA); Kenjo, Hideki - Yokohama, (JA); Nagaoka, Syoji - Kamakura, (JA); Yoshioka, Takeshi - Kamakura, (JA); Tanzawa, Hiroshi - Kamakura, (JA), 495529 (05), Toray Industries, Inc., Tokyo, (JA), Foreign company or corporation (03)  
... water-insoluble polymers are vinyl type polymers such as polystyrene, polymethyl ...

315. 3934057 , January 20, 1976 , High sensitivity positive resist layers and mask formation process, Moreau, Wayne M. - Wappinger Falls, New York, United States (US); Ting, Chiu H. - Hopewell Junction, New York, United States (US), 426403 (05), International Business Machines Corporation, Armonk, New York, United States (US), United States company or corporation (02)  
... include, for example, vinyl type polymers such as the lower alkyl ...

316. 3933702 , January 20, 1976 , Aqueous release coating compositions for pressure sensitive adhesives, Caimi, Ronald J. - Somerset, New Jersey, United States (US); Schlauch, Walter F. - Somerville, New Jersey, United States (US), 487159 (05), National Starch and Chemical Corporation, Bridgewater, New Jersey, United States (US), United States company or corporation (02)  
... film forming aqueous vinyl type polymer system which is capable of being ...

317. 3923846 , December 2, 1975 , MICHAEL?TYPE ADDITION PRODUCTS OF NITROPARAFFINS, Crawford - ; NY Fishkill, 7267320 (05), TEXACO INC., ()  
... as plasticizers for vinyl-type polymers such as polyvinyl chloride and ...

318. 3898136 , August 5, 1975 , PROCESS FOR COATING SHAPED RESIN ARTICLES, Yonemitsu - ; Kashiwa, Japan (JP), 7451600 (05), MITSUBISHI GAS?CHEMICAL COMPANY, INC., ()  
... styrene, AS, and other vinyl type polymers. As the other resin ...

319. 3888922 , June 10, 1975 , STABILIZING ACRYLIC ACID WITH ALKYLATED PHENOLS, Levy - ; TX Corpus Christi, 5355390 (05), HOECHST CELANESE CORPORATION, ()  
... vinyl moiety rather than vinyl-type polymers. The other sample increased ...  
... day. This indicated that the formation of vinyl-type polymer had been inhibited, only the expected ...

320. 3884990 , May 20, 1975 , AROMATIC CO?POLYESTER COMPOSITION CONTAINING POLYETHYLENE OXYBENZOATE AND AROMATIC PHENOLIC POLYESTER, Sakata - ; Kyoto, Japan (JP), 5470485 (05), UNITIKA LTD., ()  
... polyolefins, e.g polyethylene, polypropylene, and vinyl type polymers, e.g polyvinylchloride, polymethylmethacrylate, and polyethylene ...

321. 3877120 , April 15, 1975 , NEEDLE BOARD, Okamoto - ; Osaka, Japan (JP), 5356562 (05), TORAY INDUSTRIES INC., ()  
... be ponent is a vinyl type polymer such as polystyrene, a ...  
... rayon, posed of a vinyl type polymer such as polystyrene, a ...

322. 3875130 , April 1, 1975 , PREPARATION WITH SEEDING OF POLYMERS INSOLUBLE IN THEIR MONOMERIC COMPOSITIONS, Kemp - ; Bois?Colombes, France (FR), 5337534 (05), PECHINEY SAINT GOBAIN PRODUITS CHIMIQUES, ()  
... method for producing vinyl-type polymers and copolymers of the type described. The ...



323. 3859698 , January 14, 1975 , NEEDLE FELTING METHOD, Okamoto - ; Osaka, Japan (JP), 5356563 (05), TORAY INDUSTRIES INC., ()

... sea component is a vinyl type polymer such as polystyrene, a ...

... portion thereof is composed of a vinyl type polymer such as polystyrene a ...

324. 3841929 , October 15, 1974 , SOLID PROPELLANT CONTAINING STRONIU CARBONATE?CALCIUM CITROTE BURNING RATE DEPRESSANT, CRAIG J, 6294812 (04), ROCKWELL INTERNATIONAL CORPORATION, ()

... polymers such as hydrocarbon and vinyl-type polymers, and cross-linking polymers ...

325. 3840590 , October 8, 1974 , ALKANOIC ACID RECYCLE SYSTEM IN PROCESS FOR CATALYTIC PRODUCTION OF AN ALKENYL ALKANOATE FROM AN ALKENE AND AN ALKANOIC ACID, WHEELER E; FISHER G, 7288467 (05), HOECHST CELANESE CORPORATION, ()

... non-volatiles including vinyl-type polymers, and 2.0 to 2.5% high- ...

326. 3839259 , October 1, 1974 , MICHAEL?TYPE ADDITION PROCESS, PATTERSON J; CRAWFORD W; DOYLE W, 7266166 (05), TEXACO INC., ()

... as plasticizers for vinyl-type polymers such as polyvinyl chloride and ...

... for preparing poly vinyl-type polymers having improved low temperature ...

... weight of an uncured poly vinyl-type polymer with from 1 to parts by ...

327. 3822202 , July 2, 1974 , HEAT TREATMENT OF MEMBRANES OF SELECTED POLYIMIDES, POLYESTERS AND POLYAMIDES, 7303210 (05), E. I. DU PONT DE NEMOURS AND COMPANY, ()

... as cellulose esters, vinyl-type polymers, and even ordinary polyimides, ...

328. 3816367 , June 11, 1974 , FLAME RETARDANT COMPOSITIONS, KOSTROWSKI J; LARKIN W; TOUVAL I, 7258326 (05), M CHEMICALS INC., (), April 30, 1990 - MERGER (SEE DOCUMENT FOR DETAILS). DECEMBER 29, 1989, PA., ATOCHEM NORTH AMERICA, INC., 3 PARKWAY, PHILADELPHIA, PA. 19102, Reel and Frame Number: 005305/0866

... etc. Typical of such plastics are vinyl-type polymers characterized as homopoly- ...

329. 3811358 , May 21, 1974 , SOLID PROPELLANTS CONTAINING REINFORCING FILAMENT AND PROCESS OF MAKING, MORSE C, 6144265 (04), ROCKWELL INTERNATIONAL CORPORATION, ()

... polymers such as hydrocarbon and vinyl-type polymers, and cross-linking poly- ...

330. 3774273 , November 27, 1973 , NEEDLE FELTING APPARATUS, OKAMOTO M; HIKOTA T; SHIMIZU K, 7116146 (05), TORAY INDUSTRIES INC., ()

... sea" component is a vinyl type polymer such as polystyrene, a < ...

... portion thereof is composed of a vinyl type polymer such as polystyrene, a ...

331. 3771513 , November 13, 1973 , SPINAL BRACE, 7205901 (05), VELAZQUEZ T, ()

... fabric, preferably of a vinyl type polymer while outside cover ...

332. 3723139 , March 27, 1973 , NOVEL PROCESS AND PRODUCT, KOSTROWSKI J; LARKIN W, 7236761 (05), M CHEMICALS INC., ()

... etc. Typical of such plastics are vinyl-type polymers characterized as polymers and ...

333. 3719730 , March 6, 1973 , MODIFICATION OF ALFIN POLYMERS AND PRODUCT, GREENBERG H; HANSLEY V; GRINNINGER L; MORGAN F, 6609998 (04), NATIONAL DISTILLERS AND CHEMICAL CORPORATION, ()

... cis-1,4 and 1,2-vinyl types of polymer molecules, depending on the method ...

334. 3709799 , January 9, 1973 , BRIGHT TIN ELECTRODEPOSITING, KAMPE M, 7059730 (05), ENTHONE INCORPORATED., ()

... terminal group in this vinyl type polymer, which can also be designated an " ...

335. 3709297 , January 9, 1973 , PETROLEUM RECOVERY PROCESS, CHRISTOPHER C; GRIMM H; NUTE A, 7102134 (05), TEXACO INC., ()

... acrylic amide polymers are vinyl type polymers Which : have substantial linearity, i.e., they have little or ...

336. 3706716 , December 19, 1972 , ALPHA?METHYLENEGLUTARIMIDE POLYMERS AND COPOLYMERS AND PREPARATION THEREOF, HOYT JOHN M; KOCH KARL, 7050008 (05), NATIONAL DISTILLERS AND CHEMICAL CORPORATION, ()

... peroxide or an azonitrile produce vinyl-type polymers (I) in which the polymerization ...

337. 3700626 , October 24, 1972 , FLAME?RETARDED POLYMER COMPOSITIONS, MURRAY ROBERT WILLIAM, 7039156 (05), AMERICAN CYANAMID COMPANY, ()

... retardant compounds. Generally, however, the vinyl type polymers, wherein a monomeric material is ...

... etc., are those preferred. Examples of the vinyl type polymers which may be used to ...

338. 3700481 , October 24, 1972 , ELECTROLESSLY PLATABLE POLYMERIC BLENDS, CHIN JAMES; SCHWARTZ ELI; WITT HARRY S, 6754948 (04), UNIROYAL, INC., (), December 23, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT. 06749, A CORP. OF NEW JERSEY, Reel and Frame Number: 004488/0204 February 9, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE DATE OCTOBER 27, 1985., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT., 06749, A CORP OF NJ., Reel and Frame Number: 004754/0186

... acrylics; polystyrenes and other vinyl type polymers; polyesters; polymers derived from the ...

339. 3699069 , October 17, 1972 , COATING COMPOSITIONS AND COATED ARTICLES, PEAKER CHARLES R, 6849876 (04), UNIROYAL, INC., (), December 23, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT. 06749, A CORP. OF NEW JERSEY, Reel and Frame Number: 004488/0204 February 9, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE DATE OCTOBER 27, 1985., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT., 06749, A CORP OF NJ., Reel and Frame Number: 004754/0186

... chloride, and butadiene-methacrylonitrile. Vinyl-type polymers and copolymers suitable for ...

340. 3694415 , September 26, 1972 , COATING RESINOUS COMPOSITION, AKIYAMA KAZUO; HONDA KIYOSHI; HIROSE KAZUTOYO; MIYAZAKI MITSUMASA; NOMURA SHOZABURO, 7055212 (05), DAINIPPON INK + CHEMICALS, INC., ()

... type unsaturated groups into vinyl type polymers. Vinyl type . ... .[lowbar] . ,-, ...

341. 3663625 , May 16, 1972 , BIS[1?ALKYL (OR YL) VINYL]P?PHENYLENE OXIDE MONOMERS, NEVILLE ROY G, 7031358 (05), BECHTEL INTERNATIONAL CORPORATION, (), September 26, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., BECHTEL GROUP, INC., 50 BEALE ST., SAN FRANCISCO, CA 94105 A CORP. OF DE, Reel and Frame Number: 004951/0883

... conventional linear aliphatic "vinyl-type" polymer[lowbar] It is known that a- ...

342. 3651008 , March 21, 1972 , POLYMERIC COMPOSITIONS AND THEIR METHOD OF MANUFACTURE, MOSER BILLY G; LANDEL ROBERT F, 6692636 (04), CALIFORNIA INSTITUTE OF TECHNOLOGY, (), March 16, 1981 - ASSIGNMENT OF ASSIGNORS INTEREST., UNITED STATES OF AMERICA , THE, AS REPRESENTED BY THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, Reel and Frame Number: 003840/0633

... polymers such as hydrocarbon and vinyl-type polymers, and cross-linking polymers ...

343. 3644267 , February 22, 1972 , LOW VISCOSITY HIGH STRENGTH THERMOPLASTIC ADHESIVE, CALDWELL JOHN R; JACKSON WINSTON J JR, 7006645 (05), EASTMAN KODAK COMPANY, ()

... polyester, a polyolefin or vinyl-type polymer and an additive. Thermoplastic adhesives, ...

... polyesters are blended with polyolefins or vinyl-type polymers, the melt viscosity of these blends ...

... a polyolefin or a vinyl-type polymer and a viscosity decreasing ...  
... a polyolefin or a vinyl-type polymer, and C. about 50- ...  
... useful include polyolefins, vinyl-type polymers, and " Additive Tg,c. ...  
... tribromobenzene, 4,4group. Copolymers of vinyl-type polymers are also useful with dibromodiphenyl, diphenyl ...  
... In this invention the polyolefin or vinyl-type polymer can benzoate, dimethyl ...  
... Tg, the polyester, polyolefin or vinyl-type polymer, additive and greater the reduction ...

344. 3637603 , January 25, 1972 , ALPHA?METHYLENEGLUTARIMIDE POLYMERS AND COPOLYMERS AND PREPARATION THEREOF, HOYT JOHN M; KOCH KARL, 6694048 (04), NATIONAL DISTILLERS AND CHEMICAL CORPORATION, ()

... peroxide or an azonitrile produce vinyl-type polymers (I) in which the polymerization ...

345. 3632466 , January 4, 1972 , STABILIZED LATEX COATING COMPOSITION CONTAINING AN ALKYL SULFIDE TERMINATED OLIGOMER, PEAKER CHARLES R, 6587650 (04), UNIROYAL, INC., (), December 23, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT. 06749, A CORP. OF NEW JERSEY, Reel and Frame Number: 004488/0204 February 9, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE DATE OCTOBER 27, 1985., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT., 06749, A CORP OF NJ., Reel and Frame Number: 004754/0186

... chloride, and butadiene-methacrylonitrile. The vinyl-type polymers and gQ copolymers are styrene- ...

346. 3613597 , October 19, 1971 , SOLID PROPELLANT GRAIN, BRITTON SYLVESTER C; WARREN FRANCIS A, 6338260 (04), ROCKWELL INTERNATIONAL CORPORATION, ()

... polymers such as hydrocarbon and vinyl-type polymers, the propellant grain when the area ...

347. 3597063 , August 3, 1971 , ELECTROPHOTOGRAPHIC MOTION PICTURE APPARATUS, OTA ISAO; HIRAI KENICHI; HAYASHI YOSHIKI; YAMAMOTO YOSHIHIKO, 6731073 (04), MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., ()

... present invention is a vinyl-type polymer havng photoconductive groups ...

348. 3584030 , June 8, 1971 , ETHYL 2,2?DIMETHYL?3 [DI(2?METHOXYETHYL)AMINE] CARBONYLCYCLOBUTANEACETATE, SKAU EVALD L; MAGNE FRANK C; MOD ROBERT R, 6837973 (04), UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTUR, ()

... provide a plasticized vinyl-type polymer or copolymer comprising these plasticizers. These and ...

349. 3582510 , June 1, 1971 , FLAME?RETARDANT COMPOSITIONS FOR PLASTICS, CANNELONGO JOSEPH FREDERICK, 6773661 (04), AMERICAN CYANAMID COMPANY, ()

... retardant combinations, Specifically, however, the vinyl type polymers, wherein a mo.noacid, ...

... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

350. 3574173 , April 6, 1971 , POLY(THIOL ANHYDRIDES), STAMM WALTER, 6760699 (04), STAUFFER CHEMICAL COMPANY, ()

... as stabilizers for vinyl-type polymers. By the term "vinyl ...

... as stabilizers in the vinyl-type polymers, they are generally employed in ...

351. 3574172 , April 6, 1971 , POLY(ALKYLEETHER THIOL ANHYDRIDES), STAMM WALTER, 6760679 (04), STAUFFER CHEMICAL COMPANY, ()

... as stabilizers for vinyl-type polymers. By the term "vinyl ...

... as stabilizers in the vinyl-type polymers, they are generally employed in ...

352. 3565887 , February 23, 1971 , UNSATURATED AND LONG CHAIN ESTERS OF CYCLODEXTRIN, ALLEN EARLE E JR; PARMETER STANLEY M, 6729393 (04), CORN PRODUCTS COMPANY, ()

... as monomers to form vinyl type polymers or for use in ...

353. 3561995 , February 9, 1971 , METHOD OF ACTIVATING A POLYMER SURFACE AND RESULTANT ARTICLE, WU SIDNEY HSI-LIN; SEYB EDGAR JOHN JR, 6627864 (04), M CHEMICALS INC., ()  
... invention may include vinyl type polymers, characterized by polymers and ...

354. 3547878 , December 15, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS CONTAINING DIOLS?ALDER ADDUCTS AND PHOSPHOROUS COMPOUNDS, SAVIDES CHRISTOS, 6741327 (04), AMERICAN CYANAMID COMPANY, ()  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a mono-meric ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

355. 3547876 , December 15, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS, SAVIDES CHRISTOS, 6741331 (04), AMERICAN CYANAMID COMPANY, ()  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

356. 3542028 , November 24, 1970 , FLUSHABLE SANITARY NAPKINS, SINGH EDITH MAIER; BEEBE EDWIN VICTOR, 6744277 (04), E. I. DU PONT DE NEMOURS AND COMPANY, ()  
... term fluoropolymer is meant vinyl-type polymers, copolymers, and segmented or graft ...

357. 3535137 , October 20, 1970 , METHOD OF FABRICATING ETCH RESISTANT MASKS, SRINIVASAN RANGASWAMY; HALLER IVAN; HATZAKIS MICHAEL, 6609145 (04), INTERNATIONAL BUSINESS MACHINES CORPORATION, ()  
... polymers are cellulose derivatives and vinyl-type polymers and copolymers in which one- ...  
... as cellulose derivatives, and vinyl type polymers and copolymers in which one- ...  
... contemplated for use. The vinyl type polymer and copolymers mentioned hereinabove ...  
... consisting of cellulose derivatives and vinyl type polymers and copolymers in which one- ...  
... polymers and copolymers include vinyl-type polymers and copolymers selected from the group ...

358. 3533825 , October 13, 1970 , METHOD FOR CARBONIZING TEXTILES, BOHRER THOMAS C; ECKER GEORGE F, 6628495 (04), HOECHST CELANESE CORPORATION, ()  
... material is coated with a vinyl-type polymer. The vinyl polymers of this type which are ...

359. 3532668 , October 6, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS, SAVIDES CHRISTOS, 6741329 (04), AMERICAN CYANAMID COMPANY, ()  
... combinations. Specific- ;>"> ly, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used ...

360. 3530164 , September 22, 1970 , FLAME RETARDANT AGENTS FOR THERMOPLASTIC PRODUCTS, GILLHAM HELEN CURRIER; KLEIN HARVEY GERALD; SHERR ALLAN ELLIS, 6479599 (04), AMERICAN CYANAMID COMPANY, ()  
... polyurethanes, and the like. Examples of the vinyl type polymers whichj may be ...

361. 3530090 , September 22, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS, SAVIDES CHRISTOS, 6741255 (04), AMERICAN CYANAMID COMPANY, ()  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

362. 3530089 , September 22, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS, SAVIDES CHRISTOS, 6741250 (04), AMERICAN CYANAMID COMPANY, ()  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

363. 3530088 , September 22, 1970 , SYNERGISTIC FLAME?RETARDANT COMPOSITIONS, SAVIDES CHRISTOS, 6741249 (04), AMERICAN CYANAMID COMPANY, ()  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a monomeric material is ...

... preferred. 3 Examples of the vinyl type polymers which may be used to ...

364. 3519702 , July 7, 1970 , EPOXIDE ACRYLATE GRAFTS OF THERMOPLASTIC POLYMERS, PERRIN JACK T; WEAR GEORGE H, 6743331 (04), GEN TIRE , ()

... invention to provide such improved vinyl-type polymers having very low ketone solubility. ...

... particularly to graft polymers of vinyl-type polymers having improved thermal properties. ...

... lar weight thermoplastic vinyl-type polymer possessing an unstable hydrogen or ...

365. 3519661 , July 7, 1970 , N,N?DISUBSTITUTED AMIDES, MAGNE FRANK C; MOD ROBERT R; SKAU EVALD L, 6632464 (04), UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTUR, ()

... provide a plasticized vinyl-type polymer or copolymer comprising these plasticizers. These and ...

366. 3515754 , June 2, 1970 , N,N?DISUBSTITUTED AMIDES, MAGNE FRANK C; MOD ROBERT R; SKAU EVALD L, 6837972 (04), UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTUR, ()

... provide a plasticised vinyl-type polymer or copolymer comprising these plasticisers. These and ...

367. 3513137 , May 19, 1970 , PROCESS FOR POLYMERIZING ARYL OXALATES AND PRODUCTS THEREOF, FORGIONE PETER SALVATORE, 6746732 (04), AMERICAN CYANAMID COMPANY, ()

... polymers are unfit. There are, however, some properties of these vinyl type polymers which render them inapplicable for ...

... I have now found that vinyl type polymers may be produced, which ...

368. 3513119 , May 19, 1970 , FLAME?RETARDANT COMPOSITIONS FOR PLASTICS COMPRISING ETHYLENE PHOSPHITE AND A CHLORINATED HYDROCARBON, CANNELONGO JOSEPH FREDERICK, 6785747 (04), AMERICAN CYANAMID COMPANY, ()

... retardant combinations. Generally, however, the vinyl type polymers, wherein a monomeric material is ...

... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

369. 3511403 , May 12, 1970 , CLOSURES FOR BOTTLES AND THE LIKE, BRAUN MORRIS, 6664490 (04), BRAUN, W., COMPANY, (), July 2, 1998 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT SUITE 2700 10 SOUTH LASALLE STREETCHICAGO, ILLINOIS, 60603, Reel and Frame Number: 009342/0103 January 14, 1999 - AMENDMENT NO. 2 TO PATENT SECURITY AGREEMENT, GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT SUITE 2700 10 SOUTH LASALLECHICAGO, ILLINOIS, 60603, Reel and Frame Number: 009711/0119 November 2, 1999 - TERMINATION OF SECURITY INTERST, W. BRAUN COMPANY 460 N. LINDBERGH BLVD.ST. LOUIS, MISSOURI, 63141, Reel and Frame Number: 010321/0653 November 2, 1999 - TERMINATION OF SECURITY INTEREST, KRANSON INDUSTRIES, INC. 460 N. LINDBERGH BLVD.ST. LOUIS, MISSOURI, 63141, Reel and Frame Number: 010321/0781

... polyethylene, nylon, polyurethane, vinyl-type polymers, synthetic rubbers, any polyolefin or ...

370. 3508913 , April 28, 1970 , LEAD, TIN AND THEIR ALLOYS INCORPORATING ORGANO? SILICON, BOLLER ERNEST R, 6817170 (04), INDUSTRIAL SMELTING COMPANY, ()

... olefin type polymers, vinyl type polymers, allyl type polymers and ...

... consisting of olefin polymers, vinyl type polymers, allyl type polymers and ...

371. 3506635 , April 14, 1970 , POLY (OMEGA?PERFLUOROALKANOIC?SUBSTITUTED TRIFLUOROETHYLENE) AND THE PROCESS FOR THEIR PREPARATION, ANDERSON BURTON C, 6633684 (04), E. I. DU PONT DE NEMOURS AND COMPANY, ()

... c=o Pyrolysis of vinyl-type polymers of w-epoxyperfluoro-1alkenes ...

372. 3502217 , March 24, 1970 , ABRASION?RESISTANT CHROMATOPLATES, BRUCKNER KLAUS; HALPAAP HERBERT; ROSSLER HUBERT, 6558288 (04), MERCK E., A.G., ()

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

373. 3498942 , March 3, 1970 , EMULSION POLYMERIZATION OF UNSATURATED MONOMERS UTILIZING ALKYL SULFIDE TERMINATED OLIGOMERS AS EMULSIFIERS AND RESULTING PRODUCT, DANNALS LELAND E, 6562098 (04), UNIROYAL, INC., (), December 23, 1985 - ASSIGNMENT OF ASSIGNORS INTEREST., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT. 06749, A CORP. OF NEW JERSEY, Reel and Frame Number: 004488/0204 February 9, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST. EFFECTIVE DATE OCTOBER 27, 1985., UNIROYAL CHEMICAL COMPANY, INC., WORLD HEADQUARTERS, MIDDLEBURY, CT., 06749, A CORP OF NJ., Reel and Frame Number: 004754/0186 ... chloride, and butadiene-methacrylonitrile. The vinyl-type polymers and copolymers are styrene, styrene- ...

374. 3487037 , December 30, 1969 , PROCESS FOR THE PRODUCTION OF GRAFT COPOLYMERS OF DIENES ON VINYL-TYPE POLYMERS, MICHEL JEAN-MARIE; PEYRADE JEAN, 6292084 (04), PECHINEY-COMPAGNIE DE PRODUITS CHIMIQUES ET ELECTR, ()  
... a latex of a vinyl-type polymer admixed with diene monomers, ...  
... a trunk of a vinyl-type polymer. Furthermore, it has been unexpectedly discovered that there is ...  
... be employed another vinyl-type polymer or copolymer. It is appreciated that this includes ...  
... pyridine, styrene. Instead of "vinyl-type polymer," the trunk polymer can ...  
... polymer is based on parts vinyl-type polymer, about to parts monomer, ...

375. 3486838 , December 30, 1969 , MODIFICATION OF TEXTILE MATERIAL WITH METHYLOLATED LACTAMS, FREYERMUTH HARLAN B; RANDALL DAVID I, 6502387 (04), GAF CHEMICALS CORPORATION, ()  
... form of carboxy are the synthetic vinyl-type polymers known as the "acrylics," ...  
... treatment process described herein are vinyl type polymers containing recurring amino or ...

376. 3459833 , August 5, 1969 , COMPOSITION COMPRISING A THERMOPLASTIC POLYMER AND THE REACTION PRODUCT OF PHOSPHORUS AND A POLYAMINE, BUCKLER SHELDON A; GILLHAM HELEN CURRIER; SHERR ALLAN ELLIS; EPSTEIN MARTIN, 6624713 (04), AMERICAN CYANAMID COMPANY, ()  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

377. 3451985 , June 24, 1969 , METHOD OF, MAHLO EDWIN K, 6355006 (04), MONSANTO COMPANY, INC., ()  
... active and often dangerous. vinyl-type polymers. apparent from the following description ...

378. 3439005 , April 15, 1969 , DIHALO ZOQUINONES AND METHOD FOR THEIR PRODUCTION, GILLHAM HELEN CURRIER; MOSBY WILLIAM LINDSAY; SHERR ALLAN ELLIS, 6602465 (04), AMERICAN CYANAMID COMPANY, ()  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

379. 3431324 , March 4, 1969 , FLAME-RETARDANT AGENTS FOR THERMOPLASTIC PRODUCTS, GILLHAM HELEN CURRIER; SHERR ALLAN ELLIS, 6590230 (04), AMERICAN CYANAMID COMPANY, ()  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... polyurethanes, and the like. Examples of the vinyl type polymers which may be used to ...

380. 3431278 , March 4, 1969 , PHENYL VINYLENE OXALATES, FORGIONE PETER SALVATORE, 6286212 (04), AMERICAN CYANAMID COMPANY, ()  
... polymers are unfit. There are, however, some properties of these vinyl type polymers which render them inapplicable for ...  
... I have now found that vinyl type polymers may be produced, which ...

381. 3422048 , January 14, 1969 , FLAME RETARDANT COMPOSITIONS FOR PLASTICS, CANNELONGO JOSEPH FREDERICK, 6521548 (04), AMERICAN CYANAMID COMPANY, ()

... retardant combinations. Generally, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

382. 3422047 , January 14, 1969 , FLAME RETARDANT COMPOSITIONS FOR PLASTICS, CANNELONGO JOSEPH FREDERICK, 6521526 (04), AMERICAN CYANAMID COMPANY, ()

... retardant combinations. Generally, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

383. 3418157 , December 24, 1968 , Lubricating surfaces, KATZER MELVIN F, 432861 (04)  
... used are water soluble, vinyl type polymers characterized by substantial ...

384. 3413232 , November 26, 1968 , Heat-reaction product comprising barium or molybdenum sulfides, metal phosphates and metal dioxides, QUINN FREDERIC R, 347681 (04)  
... phenol-aldehyde resins; vinyl-type polymers such as the various polyalkenes, e.g., ...

385. 3412796 , November 26, 1968 , Consolidation of subterranean formations, DEKKING HENRI G G, 572902 (04)  
... earth particles is a vinyl-type polymer formed by the addition ...  
... vinyl reaction. The term vinyl-type polymer is inclusive linkage at the active ...  
... polymerizable to a hardened vinyl-type polymer by addition polymerization and ...

386. 3404136 , October 1, 1968 , Carbohydrate derived polymers, BLACK WILLIAM A P; DEWAR ERIC T; DAVID RUTHERFORD, 225168 (04)  
... polymerized the monomers to give vinyl-type polymers containing hydrophilic sugar ...

387. 3402221 , September 17, 1968 , Poly (alpha-olefins) containing sulfated or sulfonated condensation polymers, CALDWELL JOHN R, 319699 ()  
... oeen Porate various vinyl type polymers such as poly(vmyl ...

388. 3390105 , June 25, 1968 , Method of making a crosslinked polymer foam and product obtained therefrom, VERDOL JOSEPH A, 310492 (04)  
... moieties above described. The vinyl-type polymers susceptible to cross-linking ...  
... polymer feedstock is a vinyl-type polymer consisting essentially of 1 to ...  
... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...  
... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...  
... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...  
... polymer being a vinyl-type polymer consisting essentially of 1 to ...  
... a cross-linked vinyl-type polymer having an average molecular weight of at ...

389. 3384503 , May 21, 1968 , Process for the formation of thin opaque coatings, BIDWELL STEVENSON HALSEY, 176134 (04)  
... Opaque films of hydrophobic vinyl-type polymers which, have open-cell voids which are ...  
... clearable layer of a vinyl type polymer. Good adhesion is essential to ...  
... 56. In general, the vinyl-type polymer is formed by addition ...

390. 3373062 , March 12, 1968 , Encapsulation of particulate metal hydride in solid propellants, MORRIS QUENTIN L, 384030 (04)  
... polymers such as hydrocarbon and vinyl-type polymers may be employed ...

391. 3370030 , February 20, 1968 , Flame-retardant compositions for plastics, FREDERICK CANNELONGO JOSEPH, 533797 (04)  
... retardant combinations. Specifically, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

392. 3370029 , February 20, 1968 , Flame-retardant compositions for plastics, FREDERICK CANNELONGO JOSEPH, 533796 (04)

... retardant combinations. Generally, however, the vinyl type polymers, wherein a monomeric material is ...  
... etc. are those preferred. Examples of the vinyl type polymers which may be used to ...

393. 3367418 , February 6, 1968 , Water flooding method, ROUTSON WILLIS G, 450166 (04)  
... acrylic amide polymers are vinyl type polymers characterized by substantial ...

394. 3364282 , January 16, 1968 , Crosslinked insoluble copolymers and process of preparation from linear soluble polymers, D ALELIO GAETANO F, 300939 ()  
... fusible and soluble convertible vinyl-type polymers. In general, it deals with ...

395. 3350338 , October 31, 1967 , Acrylic amide polymers having improved water dispersibility, SAVAGE ALBERT B  
... polymers are water soluble, vinyl type polymers characterized by substantial ...

396. 3348966 , October 24, 1967 , Preparation of blister-free elastomeric films and coatings, ARONS IRVING J; SIMONS CHARLES W  
... be used include vinyl-type polymers and copolymers, e.g polyacrylates, and condensation ...

397. 3345432 , October 3, 1967 , Flame-retardant compositions containing organophosphonic acids, CURRIER GILLHAM HELEN; GERALD KLEIN HARVEY, 2510503 (04)  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... be used. Examples of the vinyl type polymers which may be used to ...

398. 3345392 , October 3, 1967 , Organophosphorus-copper complex compounds, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN; MARTIN GRAYSON; ESTHER CASTELLION MARY, 3294870 (04)  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

399. 3344118 , September 26, 1967 , Polyamide-formaldehyde condensate, SMITH ROBERT V, 411112 (04)  
... resinous systems including vinyl type polymers, polyepoxide resins, and the more ...

400. 3341625 , September 12, 1967 , Phosphine oxides as flame-retardant agents for thermoplastic products, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

401. 3341624 , September 12, 1967 , Trithiophosphate esters as flame-retardant agents for thermoplastic products, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN, 567075 (04)  
... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...  
... chain of the polymer. Examples of the vinyl type polymers which may be used to ...

402. 3340293 , September 5, 1967 , 3, 3', 5, 5'-tetracarboxydiphenylmethane and esters, LE BLANC JOHN R; SHARP DEXTER B, 468162 (04)  
... type plasticizer for vinyl type polymer, e.g., polyvinyl chloride. Analytical ...

403. 3338991 , August 29, 1967 , Method of forming electrostatographic toner particles, JAMES LENHARD MYRON; CLEMENS CARL F; INSALACO MICHAEL A, 380080 (04)  
... include for example, vinyl-type polymers and copolymers such as styrene and its ...  
... synthetic resins include vinyl-type polymers having the characteristic monomeric structure: > ...

404. 3337649 , August 22, 1967 , Graft copolymer preparation through free radicals, BLACK JAMES F; UNGAR ISRAEL S, 58817 (04)  
... vinyl pyrrolidone, and others. Vinyl type polymers, e.g., vinyl esters or esters of ...



405. 3336270 , August 15, 1967 , Preparation of acrylamide-type water-soluble polymers, MONAGLE DANIEL J, 383934 (04)

... methods for preparing vinyl-type polymers, relatively few of these are applicable ...

406. 3336269 , August 15, 1967 , Preparation of acrylamide-type water-soluble polymers, SHYLUK WALTER P; MONAGLE DANIEL J, 358069 (04)

... 3,336;269 preparing vinyl-type polymers, relatively few of these are applicable ...

407. 3335102 , August 8, 1967 , Resinous compositions obtained by copolymerizing a partial ester of a polyhydric alcohol, a monocarboxylic acid and an unsaturated dicarboxylic acid with a vinyl monomer, JONES CHARLES E; BUSSELL GEORGE W, 263741 (04)

... amine-aldehyde resins. Vinyl-type polymers, that is, compounds containing the terminal ...

408. 3333050 , July 25, 1967 , Alkali metal electrical conductors with reactive polymer insulation, HUMPHREY LAURENCE E; ADDIS GILBERT I; HESS RAYMOND C, 509796 (04)

... used in rigid vinyl type polymer compositions, crosslinking agents such ...

409. 3332889 , July 25, 1967 , Resinous polymeric reaction products of phosphorus and a polyamine, BUCKLER SHELDON A; CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN; MARTIN EPSTEIN, 345073 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

410. 3329663 , July 4, 1967 , Allyl azaphosphorine compounds and polymers thereof, REX ALLCOCK HARRY; MORELAND THOMAS WALTER, 358104 (04)

... etc., to form, linear vinyl-type polymers. The level monomers are given, ...

411. 3328367 , June 27, 1967 , Copolymers, WATKIN REES RICHARD, 452017 (04)

... temperature and hardness of certain vinyl type polymers which are more fully defined ...

412. 3326875 , June 20, 1967 , Separation of large polymer molecules in solution, MOORE JOHN C, 255189 ( )

... cross linking agent, if the vinyl type polymers are being employed. Utilization of ...

413. 3326848 , June 20, 1967 , Spray dried latex toners, CLEMENS CARL F; JAMES LENHARD M, 380045 (04)

... synthetic polymers include vinyl-type polymers having the characteristic monomeric structure: > ...

... others. Although most of the vinyl-type polymers may be conveniently ...

414. 3322861 , May 30, 1967 , Vinyl resins containing diphosphonium halides as flame-retardants, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN, 374841 (04)

... present invention, are, generally, the vinyl type polymers wherein the monomeric material is polymerized, ...

... be used. Examples of the vinyl type polymers which may be used to ...

415. 3322860 , May 30, 1967 , Flame retardant thermoplastic resins containing dihalo-phosphoranylidene-amino benzoquinones, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN; LINDSAY MOSBY WILLIAM, 345075 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

416. 3322859 , May 30, 1967 , Thermoplastic resinous products containing flame retardants, ELLIS SHERR ALLAN; CURRIER GILHAM HELEN, 333652 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... unsaturation jg therein. Examples of the vinyl type polymers which may be used to ...

417. 3322716 , May 30, 1967 , Flame retardant compositions consisting essentially of a thermoplastic material and a phosphinic acid, CURRIER GILLHAM HELEN; GERALD KLEIN HARVEY, 303156 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... be used. Examples of the vinyl type polymers which may be used to ...

418. 3322678 , May 30, 1967 , Variable transmission compositions, HENRY DORION GEORGE; JOSEPH CERRETA JOHN; WILLI NACHTIGALL GUENTER, 375757 (04)

... monomers utdizable. to form the vinyl type polymers which may be used ...

419. 3314894 , April 18, 1967 , Scintillators, compounds useful therein, and method of making the same, PINTER IMRE L; EMERY NYILAS, 241181 (04)

... solid solvent carriers are the vinyl-type polymers (including polystyrene, polystyrene ...

420. 3309426 , March 14, 1967 , Polyethylene stabilization of vinyl halide resins, HUNYAR CSABA K, 188868 (04)

... factor in the processing of vinyl type polymers, namely the lubricity of the product, is ...

... acids. The method of stabilizing the vinyl type polymer resins requires only ...

421. 3309425 , March 14, 1967 , Thermoplastic resins containing phosphonium salts as flame-retardant agents, ELLIS SHERR ALLAN; CURRIER GULHAM HELEN, 298577 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... urethanes, and the like. Examples of the vinyl type polymers which may be used to ...

422. 3309333 , March 14, 1967 , N, n-disubstituted amides and their use as plasticizers in vinyl chloride resins, MAGNE FRANK C; MOD ROBERT R; SKAU EVALD L, 392354 (04)

... provide a plasticized vinyl-type polymer or copolymer comprising these plasticizers. These and ...

423. 3305607 , February 21, 1967 , Phosphacyclohexanes as flame-retardant agents for thermoplastic polymers, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN, 345072 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

424. 3301835 , January 31, 1967 , Amide-cured carboxyl-containing polymers, MCCURDY RICHARD M; WATKINS JR NATHANIEL L, 424824 ()

... invention are the carboxyl-containing vinyl type polymers, including the acrylic addition ...

425. 3301815 , January 31, 1967 , Stabilization of vinyl resins with organic quaternary ammonium nitrates, BALOG KARL J; HUNYAR CSABA K, 188869 (04)

... considered in the processing of vinyl type polymers, namely their lubricity, is controlled ...

426. 3300466 , January 24, 1967 , Process of producing crystalline syndiotactic 1, 2-polybutadiene, ERMANNO SUSA; GERLANDO MARULLO; UMBERTO MAFFEZZONI, 69412 (04)

... structures shows that the unsaturation is of the vinyl type. The polymer product was subjected to X- ...

427. 3298895 , January 17, 1967 , Process for producing images and products thereof, PLAMBECK JR LOUIS, 244902 (04)

... Opaque films of hydrophobic vinyl-type polymers which have open-cell voids and which are ...

428. 3294870 , December 27, 1966 , Organophosphorus-copper complex compounds and their use for producing fire retardant plastics, CURRIER GILLHAM HELEN; ELLIS SHERR ALLAN; ESTER CASTELLION MARY; MARTIN GRAYSON, 354433 (04)

... present invention, are generally the vinyl type polymers wherein the monomeric material is polymerized, ...

... vinyl unsaturation therein. Examples of the vinyl type polymers which may be used to ...

429. 3290149 , December 6, 1966 , Process for increasing optical densities, TERRY CLINE EDWARD, 176814 ()

... Opaque films of hydrophobic vinyl-type polymers which have open-cell voids and which are ...

430. 3288842 , November 29, 1966 , Alkoxyalkyl esters of carboxylic acids, VERDOL JOSEPH A, 177747 (04)

... radical are useful to form vinyl-type polymers which may be cross- ...

# **EXHIBIT B**

1. 6643093 , November 4, 2003 , Magnetic recording device with improved reliability, Brown, Charles Allan - San Jose, California, United States (US); DiPietro, Richard Anthony - Campbell, California, United States (US); Karis, Thomas Edward - San Martin, California, United States (US); Wendt, Herman Russell - San Jose, California, United States (US); Wang, Run-Han - San Jose, California, United States (US), 051866 (10), January 15, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., INTERNATIONAL BUSINESS MACHINES CORPORATION NEW ORCHARD ROAD ARMONK, NEW YORK, 10504, Reel and Frame Number: 012518/0293, Hitachi Global Storage Technologies Netherlands, B.V., Amsterdam, Netherlands (NL), Foreign company or corporation (03) , September 21, 2005 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V. LOCATELLIKADE 1 1076 AZ AMSTERDAM, Reel and Frame Number: 016824/0508

... group consisting of polyolefin and vinyl type polymers. 17. The disk drive of ...

2. 6593052 , July 15, 2003 , Toner, image forming method and process cartridge, Yoshikawa, Junko - Ibaraki, Japan (JP); Mizoo, Yuichi - Ibaraki, Japan (JP); Matsunaga, Satoshi - Shizuoka, Japan (JP); Dojo, Tadashi - Shizuoka, Japan (JP); Shibayama, Nene - Shizuoka, Japan (JP); Kashiwabara, Ryota - Shizuoka, Japan (JP), 915331 (09), October 26, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA OHTA-KU 30-2, SHIMOMARUKO 3-CHOMETOKYO, (1), Reel and Frame Number: 012288/0613 April 15, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CANON KABUSHIKI KAISHA OHTA-KU 30-2, SHIMOMARUKO 3-CHOMETOKYO, (1), Reel and Frame Number: 012634/0020, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... component containing a vinyl type polymer unit and a polyester ...

... component comprising a vinyl type polymer unit and a polyester ...

... component comprising a vinyl type polymer unit and a polyester ...

3. 6333025 , December 25, 2001 , Use of nitrocellulose and cellulose ester in a nail varnish, Ramin, Roland - Paris, France (FR), 434120 (09), February 1, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., L'OREAL S.A. 14, RUE ROYALE 75008 PARIS, (1), Reel and Frame Number: 010553/0101, L'Oreal, Paris, France (FR), Foreign company or corporation (03)

... acrylic, acrylic-styrene, and vinyl type polymers. 18. A process ...

4. 6291021 , September 18, 2001 , Coating material, Morita, Yoshitsugu - Chiba Prefecture, Japan (JP); Furukawa, Haruhiko - Chiba Prefecture, Japan (JP); Aso, Takayuki - Chiba Prefecture, Japan (JP), 448555 (09), January 24, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING, CORPORATION CO1232 PO BOX 994 MIDLAND, MICHIGAN, 48686, Reel and Frame Number: 010541/0730, Dow Corning Toray Silicone Co., Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... carbosiloxane-dendrimer functional vinyl-type polymer comprising a carbosiloxane ...

... claim 1, wherein I) the vinyl-type polymer is prepared by a ...

5. 6277491 , August 21, 2001 , Expandable thermoplastic resin beads and molded foam made from the same, Sakoda, Yasuhiro - Koka-gun, Japan (JP); Takahashi, Hiroyuki - Moriyama, Japan (JP); Sato, Masaya - Koka-gun, Japan (JP); Togo, Narihiko - Koka-gun, Japan (JP), 341670 (09), August 27, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SEKISUI KASEIHIN KOGYO KABUSHIKI KAISHA KITA-KU, OSAKA-SHI 4-4, NISHITENMA 2-CHOME, OSAKA 530-0047, (1), Reel and Frame Number: 010267/0303, Sekisui Kaseihin Kogyo KabushikiKaisha, Osaka, Japan (JP), Foreign company or corporation (03)

... a fluorine-containing vinyl-type polymer segment derived from a ...

... substituent; and a lipophilic vinyl-type polymer segment derived from a ...

... weight of the fluorine-containing vinyl-type polymer segment and 80-20% by weight of the lipophilic vinyl-type polymer segment. 3. The expandable ...

... weight of the fluorine-containing vinyl-type polymer segment and 50-30% by weight of the lipophilic vinyl-type polymer segment. 4. The expandable ...

... claim 1 wherein the lipophilic vinyl-type polymer segment comprises a ...

6. 6238745 , May 29, 2001 , Water repellent for treating solids, Morita, Yoshitsugu - Chiba Prefecture, Japan (JP); Aso, Takayuki - Chiba Prefecture, Japan (JP); Furukawa, Haruhiko - Chiba Prefecture, Japan (JP), 448530 (09), January 21, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., DOW CORNING,

CORPORATION PO BOX 994MIDLAND, MICHIGAN, 48686, Reel and Frame Number: 010544/0693, Dow Corning Toray Silicone Co. Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

... carbosiloxane dendrimer-functional vinyl-type polymer having a carbosiloxane dendrimer ...  
... carbosiloxane dendrimer-functional vinyl-type polymer has been prepared by the polymerization of ...  
... carbosiloxane dendrimer-functional vinyl-type polymer. 5. The water repellent of ...  
... carbosiloxane dendrimer-functional vinyl-type polymer in an organic solvent, wherein the ...  
... carbosiloxane dendrimer-functional vinyl-type polymer comprises a carbosiloxane ...  
... carbosiloxane dendrimer-functional vinyl-type polymer having a carbosiloxane dendrimer ...

7. 6020070 , February 1, 2000 , Multilayer material, process of preparation and applications, Hoerner, Pierre - Horbourg-Wihr, France (FR); Riess, Gerard - Mulhouse, France (FR); Busnel, Rene Guy - Bievres, France (FR); Cheymol, Andre - Dange Saint Romain, France (FR), 769736 (08), April 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HUTCHINSON 2 RUE BALZACPARIS, (1)75008, Reel and Frame Number: 008473/0816, Hutchinson, Paris, France (FR), Foreign company or corporation (03)  
... above; (d) acrylic or vinyl type polymers, (e) a diene ...

8. 5756580 , May 26, 1998 , Polymeric composite material, Natori, Itaru - Yokohama, Japan (JP); Imaizumi, Kimio - Kiyose, Japan (JP); Kaji, Satoru - Kurashiki, Japan (JP), 836210 (08), May 6, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ASAHI KASEI KOGYO KABUSHIKI KAISHA 2-6, DOJIMAHAMA 1-CHOME, KITA-KU, OSAKA-SHIOSAKA 530, (1), Reel and Frame Number: 008562/0575, Asahi Kasei Kogyo Kabushiki Kaisha, Osaka, Japan (JP), Foreign company or corporation (03)  
... polymer, a halogenated vinyl type polymer, an ester type polymer, an ...

9. 5162420 , November 10, 1992 , Aqueous compositions based on acid-functional acrylic silanol polymers, Chang, Wen-Hsuan - Gibsonia, Pennsylvania, United States (US); McEntire, Edward E. - Allison Park, Pennsylvania, United States (US); Kaufman, Marvin L. - Pittsburgh, Pennsylvania, United States (US), 707250 (07), PPG Industries, Inc., Pittsburgh, Pennsylvania, United States (US), United States company or corporation (02) , February 9, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PPG INDUSTRIES OHIO, INC. 3800 WEST 143RD STREETCLEVELAND, OHIO, 44111, Reel and Frame Number: 009737/0591

... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl-type polymer being further characterized ...  
... atoms from the backbone of said vinyl-type polymer. 3. The aqueous dispersion or ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... anhydride group of said vinyl-type polymer. 8. The aqueous dispersion or ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... claim 6 wherein said vinyl-type polymer is prepared from components comprising from ...  
... in the preparation of said vinyl-type polymer, and an amount of said ethylenically ...  
... gram of the solution polymerized vinyl-type polymer. 12. A stable, ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl-type polymer being further characterized ...  
... atoms from the backbone of said vinyl-type polymer. 14. The coating composition of ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... milliequivalent/gram of said vinyl-type polymer cures in air to ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... said solution-polymerized vinyl-type polymer is prepared from the copolymerization of components ...  
... anhydride group of said vinyl-type polymer. 19. The coating composition of ...  
... said solution polymerized vinyl-type polymer prior to dispersion in ...  
... claim 17 wherein said vinyl-type polymer is prepared from components comprising from ...  
... in the preparation of said vinyl-type polymer, and an amount of said ethylenically ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...  
... total weight of said vinyl-type polymer, said vinyl type polymer being further characterized ...  
... degrees Celsius, said vinyl type polymer being further characterized ...  
... a solution-polymerized vinyl-type polymer which is formed by addition ...

... total weight of said vinyl-type polymer, said vinyl type polymer being further characterized ...  
... degrees Celsius, said vinyl type polymer being further characterized ...

10. 5141833 , August 25, 1992 , One component developer for developing electrostatic image and image forming method, Kitamori, Naoto - Yokohama, Japan (JP); Ochi, Hisayuki - Yokohama, Japan (JP); Kuribayashi, Tetsuya - Tokyo, Japan (JP); Ohno, Manabu - Yokohama, Japan (JP); Kuwashima, Tetsuhito - Yokohama, Japan (JP); Uchide, Hitoshi - Toride, Japan (JP), 711650 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...

... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...

11. 5130220 , July 14, 1992 , Process for preparing toner by suspension polymerization and toner prepared thereby, Nakamura, Tatsuya - Tokyo, Japan (JP); Morimoto, Reiko - Yokohama, Japan (JP); Mori, Hiromi - Yokohama, Japan (JP), 457882 (07), December 27, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 005215/0733, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... a mass of a vinyl type polymer containing the treated dye; the ...

... prepare a powder of the vinyl type polymer containing the treated dye; the ...

12. 5041351 , August 20, 1991 , One component developer for developing electrostatic image and image forming method, Kitamori, Naoto - Yokohama, Japan (JP); Ochi, Hisayuki - Yokohama, Japan (JP); Kuribayashi, Tetsuya - Tokyo, Japan (JP); Ohno, Manabu - Yokohama, Japan (JP); Kuwashima, Tetsuhito - Yokohama, Japan (JP); Uchide, Hitoshi - Toride, Japan (JP), 329815 (07), July 21, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 3-30-2 SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 005129/0257, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer or copolymer and a magnetic ...

... resin comprising a vinyl-type polymer or copolymer, 10 to 70 ...

13. 4981728 , January 1, 1991 , Adhesion method, Homma, Michihide - Hyogo, Japan (JP); Yoshihara, Atsuko - Hyogo, Japan (JP); Wakabayashi, Hiroshi - Hyogo, Japan (JP); Isayama, Katsuhiko - Hyogo, Japan (JP), 472376 (07), March 27, 1990 - ASSIGNMENT OF ASSIGNORS INTEREST., KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD., NO. 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN, Reel and Frame Number: 005277/0049, Kanegafuchi Chemical Industry Co., Ltd., Osaka, Japan (JP), Foreign company or corporation (03)

... primer comprising a vinyl type polymer having at least one silicon- ...

... according to claim 1, wherein the vinyl type polymer comprises monomeric units having ...

14. 4968556 , November 6, 1990 , Coating for fiberglass insulation, Jain, Surendra - Easley, South Carolina, United States (US), 173414 (07), October 17, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., REYNOLDS COMPANY, THE, 10 GATES ST., GREENVILLE, SC A CORP. OF SC, Reel and Frame Number: 004963/0760, The Reynolds Company, Greenville, South Carolina, United States (US), United States company or corporation (02)

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

... soft, non-halogenated, vinyl type polymer consists essentially of a ...

... soft, non-halogenated, vinyl type polymers contains a monomer ...

... soft, non-halogenated, vinyl type polymer is a interpolymer of ethyl ...

... soft, non-halogenated, vinyl type polymer is a interpolymer of butyl ...

... soft, non-halogenated, vinyl type polymer also contains N-methylol ...

15. 4966829 , October 30, 1990 , Toner for developing electrostatic images, binder therefor and process for production thereof, Yasuda, Satoshi - Matsudo, Japan (JP); Sakashita, Kiichiro - Tokyo, Japan (JP); Mitsuhashi, Yasuo - Yokohama, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Aita, Shuichi - Toride, Japan (JP); Nagai, Yoshinobu - Kohbe, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP), 275599 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer, a vinyl-type ...

... comprises a crosslinked vinyl type polymer or copolymer. 16. A ...

... copolymer and a crosslinked vinyl-type polymer or copolymer. 19. A ...

... copolymer and a crosslinked vinyl-type polymer or copolymer. 21. A ...

16. 4952476 , August 28, 1990 , Electrophotographic magnetic toner containing polyalkylene and vinyl polymer, Sakashita, Kiichiro - Inagi, Japan (JP); Nakahara, Toshiaki - Tokyo, Japan (JP); Tanikawa, Hirohide - Yokohama, Japan (JP); Yoshida, Satoshi - Kawasaki, Japan (JP), 313456 (07), February 22, 1989 - ASSIGNMENT OF ASSIGNORS INTEREST., CANON KABUSHIKI KAISHA, 3-30-2 SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN, A CORP. OF JAPAN, Reel and Frame Number: 005047/0722, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprising a vinyl-type polymer having 5 to 80 wt. ...

17. 4939060 , July 3, 1990 , Magnetic toner for developing electrostatic images, Tomiyama, Koichi - Kawasaki, Japan (JP); Takagi, Seiichi - Yokohama, Japan (JP); Ohsaki, Ichiro - Kawasaki, Japan (JP); Yasuda, Satoshi - Matsudo, Japan (JP); Hyosu, Yoshihiko - Machida, Japan (JP), 420732 (07), Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... resin comprises a vinyl-type polymer. 17. A magnetic ...

18. 4839222 , June 13, 1989 , Fiberglass insulation coated with a heat collapsible foam composition, Jain, Surendra - Easley, South Carolina, United States (US), 173418 (07), October 17, 1988 - ASSIGNMENT OF ASSIGNORS INTEREST., REYNOLDS COMPANY, THE, 10 GATES STREET, GREENVILLE, SOUTH CAROLINA A CORP. OF SC, Reel and Frame Number: 004955/0228, The Reynolds Company, Greenville, South Carolina, United States (US), United States company or corporation (02)

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

... soft, non-halogenated, vinyl type polymer consists essentially of a ...

... soft, non-halogenated, vinyl type polymer contains a monomer ...

... soft, non-halogenated, vinyl type polymer contains a monomer ...

... soft, non-halogenated, vinyl type polymer is a copolymer of ethyl ...

... soft, non-halogenated, vinyl type polymer is a copolymer of butyl ...

... soft, non-halogenated, vinyl type polymer also contains N-methylol ...

... soft, non-halogenated, vinyl type polymer; (b) 6 to 26 ...

19. 4802769 , February 7, 1989 , Apparatus for treating thermoplastic resin, Tanaka, Shoichi - Numazu, Japan (JP), 947042 (06), February 26, 1987 - ASSIGNMENT OF ASSIGNORS INTEREST., TOSHIBA KIKAI KABUSHIKI KAISHA, 2-11, GINZA 4-CHOME, CHUO-KU, TOKYO-TO, JAPAN, Reel and Frame Number: 004696/0609, Veb Kombinat Polygraph "Werner Lamberz" Leipzig, Leipzig, Germany (DE), Foreign company or corporation (03)

... polymer obtained from a vinyl type polymer latex, a slurry or ...

20. 4533617 , August 6, 1985 , Heat fixing developer of capsule structure, Inoue, Sukejiro - Yokohama, Japan (JP); Fukumoto, Hiroshi - Kawasaki, Japan (JP); Sasakawa, Masumi - Kamagaya, Japan (JP); Doi, Shinji - Kawasaki, Japan (JP), 497181 (06), May 23, 1983 - ASSIGNMENT OF ASSIGNORS INTEREST., CANO KABUSHIKI KAISHA, 30-2, 3-CHOME, SHIMOMARUKO, OHTA-KU, TOKYO, JAPAN A CORP. OF JAPAN, Reel and Frame Number: 004137/0287, Canon Kabushiki Kaisha, Tokyo, Japan (JP), Foreign company or corporation (03)

... colorant, coated with a vinyl type polymer having a glass transition ...

... resin comprises a vinyl type polymer having a glass transition ...

... resin being a vinyl type polymer having a glass transition ...

... resin being a vinyl type polymer having a glass transition ...

... resin being a vinyl type polymer having a glass transition ...

... resin comprising a vinyl type polymer having a glass transition ...

... resin being a vinyl type polymer having a glass transition ...

... according to claim 16, wherein the vinyl type polymer having a crosslinked structure is ...

... according to claim 16, wherein the vinyl type polymer having a crosslinked structure has ...

21. 3839259 , October 1, 1974 , MICHAEL?TYPE ADDITION PROCESS, PATTERSON J; CRAWFORD W; DOYLE W, 7266166 (05), TEXACO INC., ()

... for preparing poly vinyl-type polymers having improved low temperature ...

... weight of an uncured poly vinyl-type polymer with from 1 to parts by ...

22. 3535137 , October 20, 1970 , METHOD OF FABRICATING ETCH RESISTANT MASKS, SRINIVASAN RANGASWAMY; HALLER IVAN; HATZAKIS MICHAEL, 6609145 (04), INTERNATIONAL BUSINESS MACHINES CORPORATION, ()

... polymers and copolymers include vinyl-type polymers and copolymers selected from the group ...

23. 3508913 , April 28, 1970 , LEAD, TIN AND THEIR ALLOYS INCORPORATING ORGANO? SILICON, BOLLER ERNEST R, 6817170 (04), INDUSTRIAL SMELTING COMPANY, ()

... olefin type polymers, vinyl type polymers, allyl type polymers and ...

... consisting of olefin polymers, vinyl type polymers, allyl type polymers and ...

24. 3502217 , March 24, 1970 , ABRASION?RESISTANT CHROMATOPLATES, BRUCKNER KLAUS; HALPAAP HERBERT; ROSSLER HUBERT, 6558288 (04), MERCK E., A.G., ()

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

... a normally solid vinyl-type polymer containing carboxyl groups, and ...

25. 3451985 , June 24, 1969 , METHOD OF, MAHLO EDWIN K, 6355006 (04), MONSANTO COMPANY, INC., ()

... active and often dangerous. vinyl-type polymers. apparent from the following description ...

26. 3412796 , November 26, 1968 , Consolidation of subterranean formations, DEKKING HENRI G G, 572902 (04)

... polymerizable to a hardened vinyl-type polymer by addition polymerization and ...

27. 3390105 , June 25, 1968 , Method of making a crosslinked polymer foam and product obtained therefrom, VERDOL JOSEPH A, 310492 (04)

... polymer feedstock is a vinyl-type polymer consisting essentially of 1 to ...

... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...

... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...

... feedstock comprising a vinyl-type polymer having an average molecular weight of at ...

... polymer being a vinyl-type polymer consisting essentially of 1 to ...

... a cross-linked vinyl-type polymer having an average molecular weight of at ...

28. 3186961 , June 1, 1965 , Plasticized polycarbonate resins, SEARS JAMES K, 229182 (04)

... manufactured from hard rigid; vinyl type polymers. In addition to the aforementioned ...

29. 2980609 , April 18, 1961 , Clarification of industrial waters, HOUSE RONALD R; MOORE SEWELL T

... a hydrophilic aminoaliphatic vinyl type polymer resin having a molecular ...

30. 2921407 , January 19, 1960 , Simulating sunburning toy dolls and figurines, ALBERT WAGNER CHARLES; BLOCK WAGNER HERMAN, 571118 (03)

... chloride-acetate, and other vinyl type polymers, cellulose acetate, cellulose ...

31. 2917045 , December 15, 1959 , Face mask and similar devices having body-conforming means, SCHILDKNECHT CALVIN E; LINDE HARRY W, 565352 (03)

... polymer comprising a vinyl type polymer from polymerizable unsaturated monomers. ...

32. 2651886 , September 15, 1953 , Method of conditioning agricultural soil and growing plants therein, MOWRY DAVID T; HEDRICK ROSS M, 295845 (03)

... true polyelectrolytes. Thus soluble vinyl type polymers of weight average electrolytes or which ...

33. 2489301 , November 29, 1949 , Lubricating oils and the like, LEYDA FRANK A; FOEHR EDWARD G, 739292 (02)

... as decamethylene diamine); vinyl type polymers such as amyl ethers of ...



34. 2489300 , November 29, 1949 , Lubricants and the like, LEYDA FRANK A  
... as decamethylene diamine); vinyl type polymers such as amyl ethers of ...